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SURGICAL INSTRUMENTS
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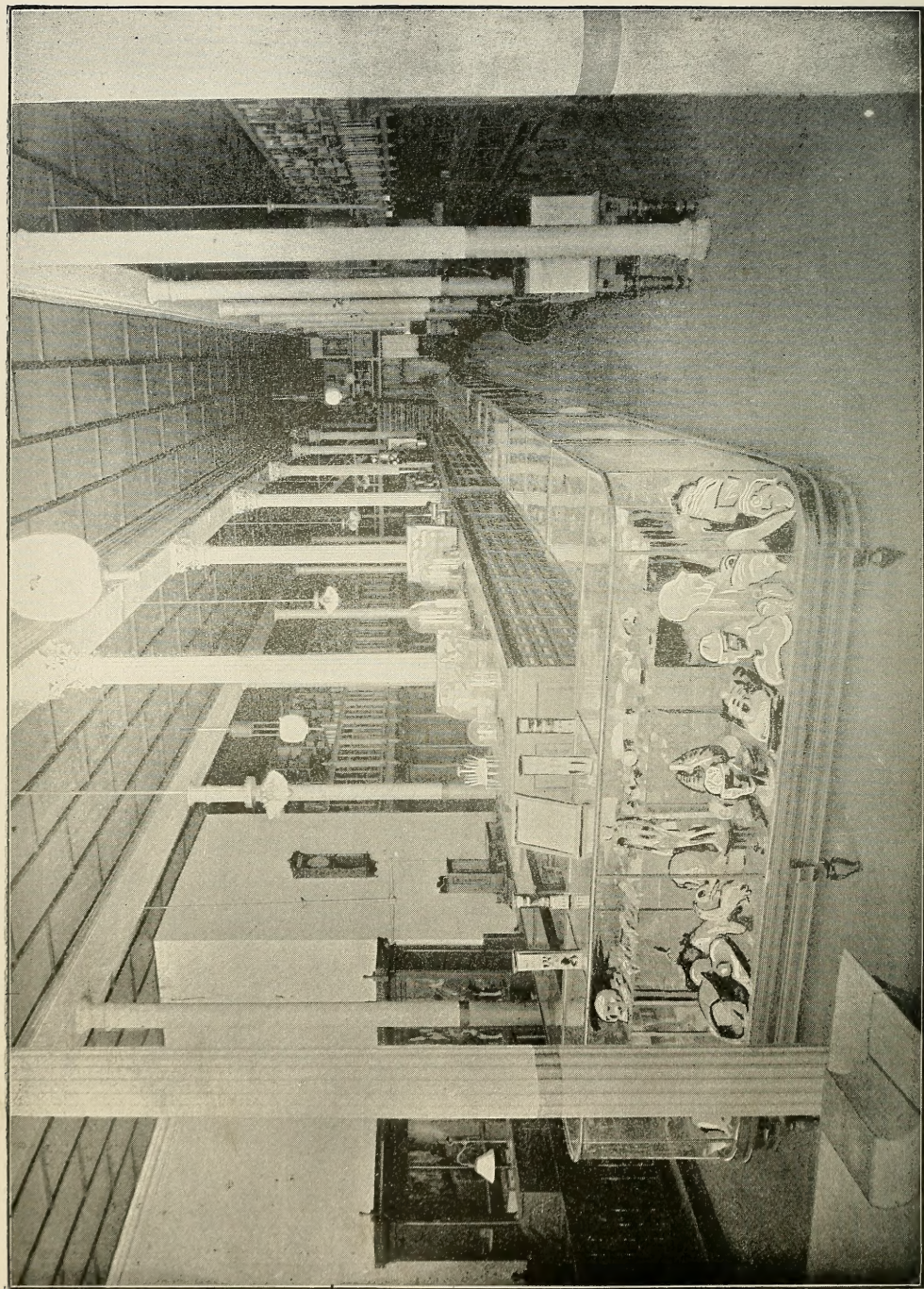
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SIXTH EDITION

• PRICE LIST •

OF

PHYSICIANS' SUPPLIES.

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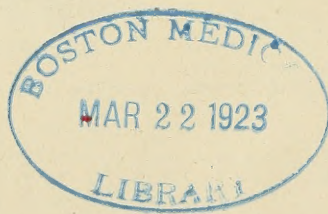
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INTRODUCTORY.

To Physicians:

In issuing the Sixth Edition of our Catalogue and Price List, we feel a pardonable pride in its completeness in every department of the field it is intended to cover. We have labored to surpass any former list in practical utility, and to make it a *vade mecum* to which the physician can turn for the prices of every article needed in the practice of his profession.

Prices.—Our list will enable customers to ascertain the net prices of instruments and surgical appliances, and the approximate rates on such drugs and pharmaceutical preparations as they may use for dispensing.

We trust our patrons will see the necessity of our maintaining uniform prices in the government of all sales. A system that allows special rates to one customer will grant them to many, so that no one purchaser would have any assurance that other buyers were not being favored greater than himself.

Terms.—All bills are payable *at our office*, in current funds, post office or express order, or bank draft on Chicago or New York; (we cannot accept drafts or checks on other cities unless exchange is added). All remittances by express must be prepaid; cash forwarded by mail is always at sender's risk.

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Purchases to Order.—As an accommodation to our patrons we will purchase at wholesale or retail any articles wanted, provided customers agree not to hold us responsible or to return the goods so purchased without our consent.

Boxing, Etc.—Reasonable charges will be made for boxing, and when goods are sent by freight, cartage will be charged at cost.

SURGICAL INSTRUMENT DEPARTMENT.

In compiling this section of our catalogue we have aimed to illustrate and price the largest possible number of modern instruments and appliances within a given

space. We have avoided repetitions so far as practicable, and believing that it is not within the province of the instrument maker to attempt to combine in one volume a surgical instrument catalogue and a medical encyclopedia, we have, with few exceptions, omitted extracts from medical books and journals.

To further condense our list, we have not inserted illustrations of any but useful instruments, thus relieving our customers of the necessity of studying designs of appliances, either impracticable or old and unsaleable.

Within a short space of time the science and art of surgery has advanced with rapid strides, stimulating the trade in surgical instruments, by an increased consumption, to an unprecedented degree. This rapidly increasing trade, the legitimate offspring of scientific investigation and the wide dissemination of the knowledge gained, has been greatly augmented by a growing disposition among the medical profession for larger and more complete surgical armamentariums, it having been fully demonstrated that those supplied with the best and most elaborate office outfits (other things being equal) are the most successful in building up a lucrative practice.

Dealers and manufacturers who, a few years ago, counted their trade by hundreds, now estimate it by thousands of dollars; where the small blacksmith and machine shops stood a few years ago, with their modest sign, "Cutler and Surgical Instrument Maker," stand large and fully equipped factories, where instruments are produced that are not only of superior quality and finish, but with a great saving of labor and material. This reduction in the cost of manufacturing has enabled large dealers (where so disposed) to give discounts from former (so-called list) prices and still make a fair profit.

Believing that the discount system is misleading and annoying, we adopt a scale of net prices, assuring our patrons that while the quality of our goods will in no instance be sacrificed to price, we will make such further reductions in prices in the future as our increased facilities for manufacturing may warrant.

The rates herein given are positively net, and a comparison of our prices with those quoted by other dealers who have not adopted our scale of prices will convince our patrons that we have made reductions in all lines, varying from twenty to fifty per cent.

We have in operation a surgical instrument factory, fully equipped with steam power, ample machinery and competent workmen, so that we are not only prepared to manufacture instruments for our regular trade, but to make special ones to order. We also make a specialty of repairing, grinding, polishing, plating, etc.

In this department, as in all others, we handle only reliable goods, which, though largely of our own manufacture, embrace many of the choicest productions of both Europe and America. We confine our stock not only to instruments that we can guarantee to have been manufactured from the best of material and of superior workmanship, but to those that are well calculated to perform the operations and serve the uses for which they were designed.

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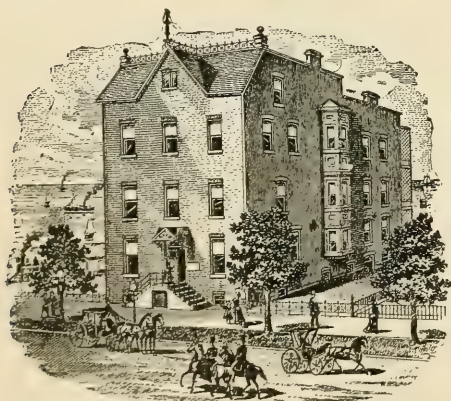
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Dr. Chambers' Elastic Breast-Compressor.

DEAR DOCTOR:

We confidently recommend that your list to the **MOTHER THAT IS TO BE**, (especially if she has ever had broken-breast), include one "ELASTIC BREAST-COMPRESSOR"—because it



Is most humane.

Does what the muslin bandage attempts, relieving the swollen or caked-breast after confinement (or injury)—only more convenient, more easily fitted and more effective.

Gives gentle, firm and readily regulated compression, and if only one breast be affected doing no harm to the other.

Is where desired, a very elegant means for drying-up the breasts over belladonna plasters. For this purpose it must be worn

constantly for a longer time. Ordinarily a day or at most a few days use will disperse hard painful lumps.

Guarantees "no abscess" if used before pus has come.

May be washed and used many times.

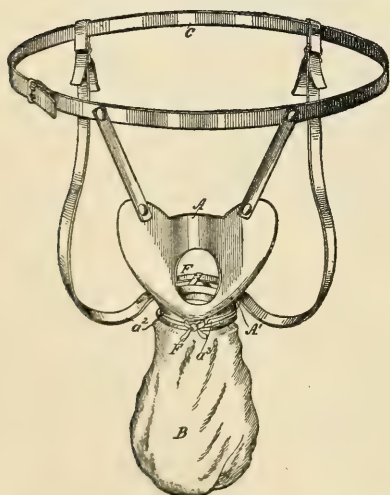
Dr. Jas. P. Haney, House Obstetrician and Chief of Staff, New York Maternity Hospital, says: "They have superseded all other methods for treating **CAKED BREAST**. Mammary abscess is now with us practically unknown."

We have record of mothers who have had broken breasts in each of their 3, 4 or 5 previous confinements, and were threatened again—but the trouble was averted by the timely use of this simple contrivance.

There are two sizes; No. 1 for chests measuring from 26 to 31 in.

No. 2 " " " 31 inches or over.

DR. CHAMBERS' COMPRESSOR FOR SWELLED TESTICLES.



THE COMPRESSOR properly applied, is the most rational, the easiest, quickest, neatest, cheapest and by all odds the best means of cure for

SWELLED TESTICLES,

whether it be Acute Epididymitis or Orchitis and whether due to Gonorrhœa, Mumps, Rheumatism, Gout, Injury or Syphilis and whether one or both testicles be affected.

It may be applied at any stage of the disease, preferably in the *earliest* stage. Properly applied, gentle, not violent compression is exerted from the moment of its application. It is coaxing rather than brute force. It yields a little at first, but the constant, ever persisting action quietly limits the advance of the attack and hastens the organ back to its natural size, thus *aborting* the disease, and because of this, guarantees against abscess and other bad sequelæ. It relieves the *pain*, fever and malaise of the disease. The wearer need not go to bed with the pillow or other support for the swollen organ, nor need he suffer as formerly at every call of nature. He may attend to ordinary business duties without the loss of time, the trouble and the expenses of the old treatment. The appliance is *not cumbersome* and the disease not so awkward as by the old treatment. **THE COMPRESSOR** is *readily adjustable, comfortable, neat, clean, compact and does the work*. There is no need for tobacco nor other poultices, nor for greasy nor other applications, nor for strapping. There is no need for any intimate relatives may remain in ignorance of his unfortunate infirmity. The use of **THE COMPRESSOR** does not interfere with the treatment of a concurrent Gonorrhœa, Chancere, Chancroid or Bubo. Indeed it may be utilized for compression of a Bubo. In case of œdema along the inguinal canals, pads may be conveniently placed for its relief.

Of course the patient must live reasonably to have the claims justified. He cannot ride horse-back with swelled testicles even if they are in the **COMPRESSOR**. Constipation and excesses must be avoided.

PRICE TO PATIENTS, FIVE DOLLARS.

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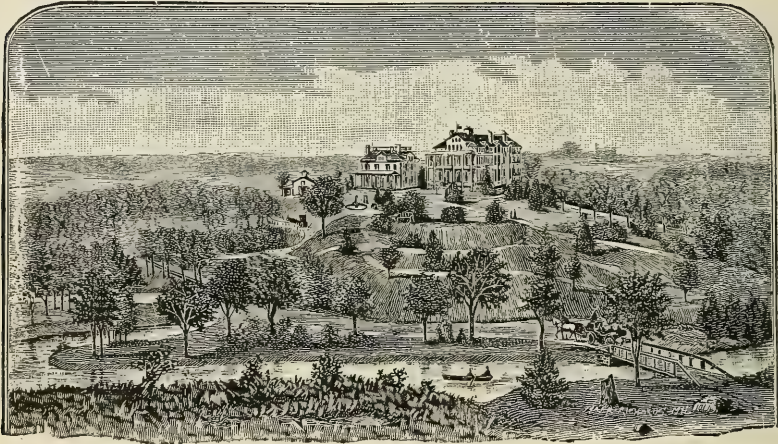
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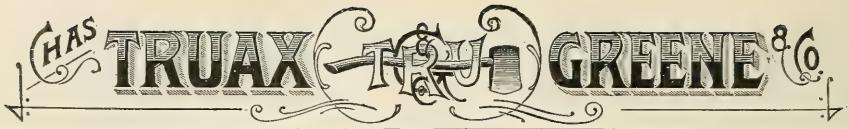
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N. S. Davis M.D.

Chicago, Ill., April 20, 1893.

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N. S. Davis M.D.
65 Randolph Street

EXTRACT FROM LETTERS OF

DR. C. W. PURDY, OF CHICAGO,

Specialist on Bright's Disease, Professor of Diseases of the Kidneys and Clinical Medicine, Post-Graduate Medical School:
Office of C. W. PURDY, M. D.

160 State-st., Chicago, March, 1891.

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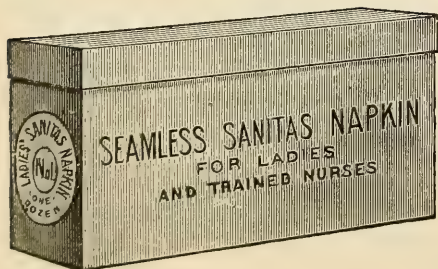
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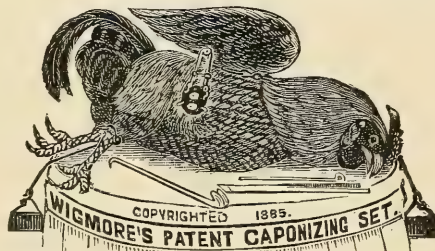
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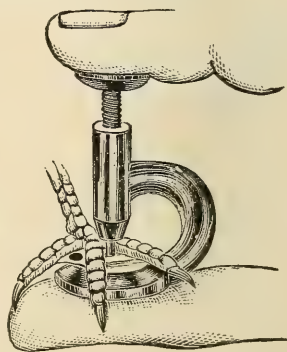


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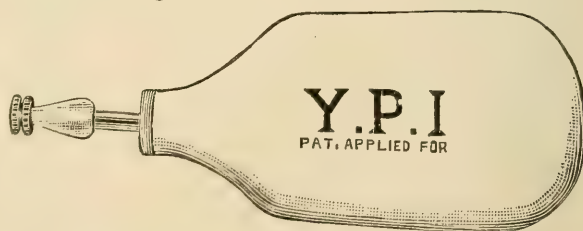


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Papoid

CHEESE

MINCE PIE

MIXED CAKE

TAPIOCA

ROAST BEEF

FRIED SAUSAGE

LIMA BEANS
& PEAS

WHEAT, RYE &
GRAHAM BREAD

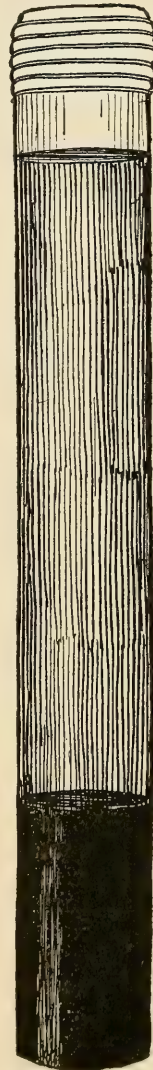
POTATOES

DRIED BEEF

COD FISH

CRACKERS

SALMON



Action
of
1 Part
Papoid
on
2000
parts
Mixed
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digestion,
Temperature
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Papoid
digests
all kinds
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& under
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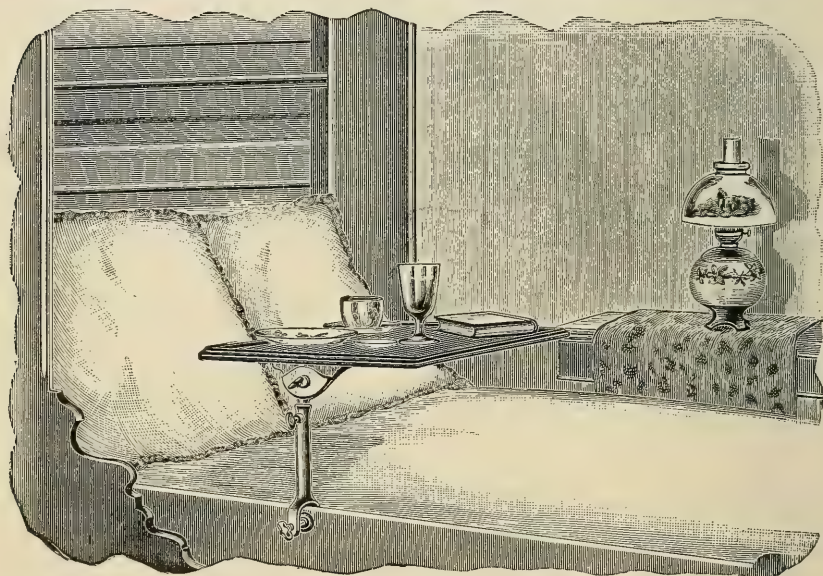
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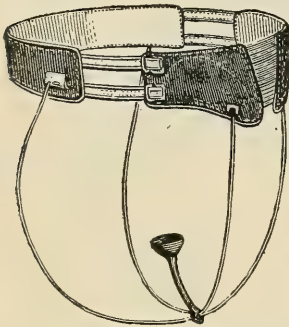


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PREPARED ACCORDING TO THE FORMULA OF

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We are supplying this Virus to the **Health Department of the City of Chicago (January, 1893,)** it being the only Virus that stands their tests. Also the **Health Department of the State of Illinois** as meeting all the requirements of their tests.

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ELIXIR LAXATIVE COMPOUND.

Each desertspoonful contains :

Cascara Sagrada	15 grains
Butternut (bark of root)	
Senna (Alex.)	
Rhubarb (E. I.)	a'a 10 grains

As ordinarily prepared this prescription is quite disagreeable to the taste and somewhat nauseating. Our efforts to avoid these objectionable features have been successful and we are able to offer a *very palatable* preparation. It is the most desirable routine laxative and cathartic yet presented, and, while being thorough and prompt in its action, it is not violent or drastic. It is highly commended as a laxative in chronic constipation, especially when debility of digestive organs or rheumatic tendency exists.

DOSES. } As a laxative, one-half to one fluidrachm.
 } As a cathartic, two to four fluidrachms just before retiring or before breakfast.

ELIX. LAXATIVE COMP., PER PINT, 65c., PER GALLON, \$4.00.

COMPOUND ALTERATIVE SYRUP (Improved),

(Syr. Trifolium Compound.)

Each fluidounce represents:

Smilax sarsaparilla	16 grains.	Trifolium pratense	35 grains.
Stillingia sylvatica	16 grains.	Cascara amarga	16 grains.
Lappa officinalis	16 grains.	Berberis aquifolium	16 grains.
Phytolacca decandra	16 grains.	Xanthoxylum fraxinum	4 grains.
Potass. iodide	8 grains.		

This preparation has become a standard one for the treatment of scrofulous, syphilitic, glandular and skin diseases. It is of excellent value in gout, rheumatism, chronic hepatic disorders and in chronic constipation.

We have taken great pains to make this a superior and acceptable preparation of the prescription and we offer it to the profession with perfect confidence.

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(Syr. Pinus Comp.)

Each fluidrachm contains:

Tinct. White Pine Bk	4 minims.
Purified Chloroform	½ minim.
Ipecac	2 grains.
Morphine Sulph.	⅛ grains.

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COMPOUND SYRUP OF WHITE PINE, PER PINT, 60c., PER GALLON, \$3.50.

COMPOUND SYRUP OF WHITE PINE WITHOUT MORPHINE, PER PINT, 50c., PER GALLON, \$3.00.

CHAS. TRUAX, GREENE & CO., CHICAGO.



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GILPIN, LANGDON & Co's

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— See Page 232 —

	4 CZ. BOTS. EACH.	1 LB. BOTS. EACH.
Tr. Aconite Root.....	.25c.....	\$0 80
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" Blood Root.....	.25c.....	75
" Calabar Bean.....	.35c.....	1 25
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" Cantharides30c.....	90
" Conium Fruit.....	.20c.....	60
" Digitalis Leaf.....	.20c.....	60
" Gelsemium Rad.....	.20c.....	60
" Golden Seal.....	.30c.....	90
" Hyoscyamus Leaf.....	.20c.....	60
" Ignatia Bean.....	.25c.....	75
" Jaborandi Leaf.....	.30c.....	1 00
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" Opium Deodorat.....	.55c.....	2 00
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. . A SUPERIOR HEART TONIC. . .

Each Tablet Represents:

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Tinct. Digitalis.....1 minim.

Caffeine, pure1-2 grain.

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TONICARDIA TABLETS are indicated in cardiac weakness and in all functional cardiac disturbances, such as irregularity, arising from debility, palpitation of emotional origin, or from the excessive use of tobacco.

TONICARDIA TABLETS are supplied to physicians at the following prices:

1000 Tablets per bot.....	\$2 25
500 " ".....	1 25
100 " ".....	35

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SPECIAL ATTENTION

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Is a reliable Food Medicine; rapidly finds its way into the circulation; arrests Decomposition of the Vital Tissues, and is agreeable to the most delicate stomach. To the physician, it is of incalculable value, as it gives the patient assurance of return to perfect health.

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R. & H. (see page 216.)		
Mallinckrodt's	oz 10, ¼ lb 20, lb	70
Compound.....	oz 20, ¼ lb 50, lb	1 80
Acetanilid, 70 parts; Sodium Bicarb., 20 parts; Caffeine, pure, 10 parts.		
with Bromide Caffeine and Sodium, see Cafbromalid.		
ACID Acetic, No. 8, Mallinckrodt's	lb	17
“ C. P.....	lb	30
“ U. S. P.....	lb	20
“ dilute.....	lb	15
“ Glacial, absolute.....	lb	65
Arsenious, fused, pure.....	oz 10, lb	22
“ powdered, pure.....	lb	25
Benzoic, English, from Benzoin, Merck's	oz	20
“ German.....	oz	14
“ from Toluol.....	oz	12
Boracic, Cryst., 1-lb cartons.....	lb	27
“ powdered, 1-lb cartons.....	lb	28
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“ “ C. P., Wyeth's, 1-lb bots.....	each	1 00
“ “ “ “ sprinkler-top bots.....	doz	2 50
Camphoric.....	oz	60
Carbolic, Cryst., Mallinckrodt's	lb	31
“ “ 5-lb cans.....	lb	25
“ “ 10-lb cans.....	lb	24
“ loose, Cryst.....	oz	20
Carbolic, Solution (for medicinal uses) 95 per cent., { 1-lb bots.....	lb	40
“ “ “ “ “ 5-lb bots.....	each	1 75
Carbolic Solution (for medicinal uses), 33½ per cent., { 1-lb bots.....	lb	30
“ “ “ “ “ 5-lb bots.....	each	1 25
“ crude, for disinfecting.....	lb	20
“ Synthetical, Mallinckrodt's	oz 17, ¼-lb 25, lb	75
Chromic, Cryst.....	oz	17
Chrysophanic (Chrysarobin).....	oz	30
Citric.....	lb	50
Fluoric.....	oz	45
Formic.....	oz	17
Gallic.....	lb 95, oz	12
Hydriodic.....	oz	42
“ Syrup, 1-pt bots.....	pt	65
Hydrobromic (34 per cent.), conc't.....	oz	17
“ dilute, U. S. P.....	lb	45
Hydrocyanic, dilute, Mallinckrodt's	oz	12
“ “ “ “ “ ¼-lb 25, lb		60
Hypophosphorous, Sol. 50 per cent.....	oz	24
“ dilute.....	oz 17, lb	70



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It makes a refreshing and nutritious drink in fevers, and with water and sugar a delicious beverage.

Hypophosphites are undoubtedly converted into phosphates by combining, before they can be assimilated, with the oxygen of the blood, which may be needed for other purposes, while the Acid Phosphate is assimilated without robbing the blood of any of its oxygen.

It should not be confounded with the dilute phosphoric acid of the pharmacopœia, or with any kindred preparation compounded in the laboratory. Dilute phosphoric acid is simply phosphoric acid and water, without any base, while in Horsford's Acid Phosphate a portion of the phosphoric acid is combined with lime, iron, potash, etc. It is not made by compounding these articles in the laboratory, but is obtained in the form in which it exists in the animal system.

Physicians who wish to test it will be furnished a bottle on application, without expense, except express charges.

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ACID, Iodic.....	oz	\$0 87
Lactic, U. S. P., Merck's	oz	22
" con'ct., Mallinckrodt's	oz	22
" dilute.....	lb	50
Muriatic, com'l.....	lb	20
" C. P.....	lb	30
" dilute.....	lb	20
Nitric, C. P.....	lb	34
Nitric, dilute.....	lb	20
Nitro-Muriatic.....	lb	45
" " dilute.....	lb	20
Nitrous, fuming.....	lb	30
Oleic, commercial.....	lb	45
" purified.....	lb	60
Oxalic, com'l.....	lb	12
" C. P., cartons.....	lb	47
Phosphoric (50 per cent) Conc't., U. S. P.....	lb	47
" dilute.....	lb	25
" glacial, Merck's	oz	12
Pieric, Com'l., Cryst.....	lb	60
" C. P., Cryst.....	oz	25
Pyrogallic, Merck's	oz	39
" Mallinckrodt's	oz	39
Pyroligneous, Commercial.....	lb	20
" purified.....	lb	39
Salicylic, Merck's	oz 15, ¼ lb 40, ½ lb 75, lb	1 45
" Mallinckrodt's	¼ lb 40, ½ lb 75, lb	1 45
" from Gaultheria.....	oz	60
Sulphuric, Aromatic.....	lb	55
" Com'l.....	lb	20
" C. P.....	lb	30
" dilute.....	lb	20
Sulphurous, U. S. P., solution.....	lb	30
Tannic.....	lb \$1.45, ¼ lb 40, oz	20
Tartaric, powdered.....	lb	40
ACID, Phosphates, Horsford's (see page 126), small, doz \$4 00; large.....	doz	8 00
ACONITE, Leaf, powdered.....	lb	30
Root, powdered.....	lb	35
ACONITINE, pure, Amorphous, Merck's , ½-oz vials.....	each	1 00
Pure, Cryst, 15-grain vials.....	each	1 00
AGARIC, white.....	lb	50
AGARICINE, 15-gr vials.....	each	20
AGATHIN.....	oz	3 10

Antineuralgic, Anodyne, Antirheumatic, etc., etc. Chemical and Physical Nature: Agathin is obtained by the combination or condensation of salicylic aldehyde and a methylphenyl-hydrazine, and hence its systematic name runs:—saliicyl-a-methylphenylhydrazon. The substance occurs in white scales possessing a slightly greenish tinge; they are free from odor and taste, insoluble in water, soluble in alcohol and ether, and melt at 74° C.

Literature on application. See advertisement.

CHAS. TRUAX & CO. GREENE

Our friends desiring to use the . . .

Best and Purest

of Medicinal Chemicals and Drugs, will please note that we are now prepared to furnish MERCK'S make of almost every article on our list.

The demand for this superior brand is steadily increasing.

Chas. Truax, Greene & Co.




DRUGS AND CHEMICALS.

Prices include containers.

AGNINE, 1s.	lb	50
ALCOHOL, Absolute	pt	75
Cologne, Spirits, 188 per cent., container extra.	gal	2 70
Standard proof, " " " "	gal	2 40
Wood " " " "	gal	1 60
ALETRIS CORDIAL (see page 184)	doz	8 00
ALE, See Wines and Liquors.		
ALE AND BEEF, Peptonized (see page 152)	doz	2 00
ALKALINE CORDIAL		
Elix. Rhubarb Co., Pancreatin and Soda	1-pt bts. each. 5-pt bts. each. Gal bts. each.	\$ 0 60 \$2 50 \$3 75
<p>Composed of Rhubarb, Golden Seal, Cinnamon, Pancreatin and Bi-Carbonate of Soda, combined with Brandy, Sugar and Oil Peppermint.</p> <p>This Alkaline Cordial is an agreeable laxative antacid, well adapted to bowel complaints. It is an excellent stomachic tonic in dyspepsia with deficient biliary and intestinal secretions. In the treatment of diarrhoea, dysentery and cholera-infantum, no remedy is more generally useful.</p> <p>This remedy is also useful in habitual constipation and not unfrequently restores normal activity to the bowels.</p>		
ALLSPICE	lb	10
Powdered	lb	13
ALMOND MEAL	lb	40
ALOID, Merck's	oz	22
Mallinckrodt's	oz	22
ALUM, Ammonio-Ferric	lb	40
Dried (burnt), 1-lb cartons	lb	16
Lump	lb	05
Potassa, granulated, pure	lb	20
Powdered	lb	10
ALUMNOL	oz	50
<p>Alumnol is a sulphonic acid salt of aluminium, a fine white powder, odorless, Antiseptic and Astringent. Soluble in cold water, Glycerine and hot Alcohol Solutions containing 40 per cent of Alumnol, may be made without separation of the "Salt" on standing. Precipitates Albumen—Re-dissolves in excess of Albumen. Indicated in acute superficial inflammatory skin affections; chronic deep inflammatory skin affections; a specific in Endometrites Gonorrhoea, indicated also in Eczema Prurigo Lupus, Boils, etc., etc.</p> <p>Literature on application. See advertisement.</p>		
AMMONIA, Spirits of (alcoholic)	lb	65
" Aromatic	lb	60
Water of U. S. P. (1 gal, 45)	lb	15
" Conc't.	lb	20
AMMONIUM, Acetate, liquor	lb	30
Acetate, crystal	oz	20
Benzoate	oz	17
Bromide, Mallinckrodt's	lb	55
Carbazotate	oz	35
Carbonate, 1-lb cans	lb	20
" 2-lb cans	lb	18
" resublimed, pure, 1-lb bottles	lb	45
Iodide, Mallinckrodt's	oz	44
Muriate, lump	lb	15
" granulated, pure	lb	20

CHAS. TRUAX & CO. GREENE



INDICATIONS
The Superior for the treatment of
ATACAPRIPPE
and all other diseases of the urinary tract
also
ANTIKAMNIA
Combination
with Tablets
"ANTIKAMNIA & QUININE"
containing 2½ Grs. each Antikamnia and Sulph. Quinine.
"ANTIKAMNIA & SALOL"
containing 2½ Grs. each Antikamnia and Salol.
 **SAMPLE FREE**

THE ANTIKAMNIA CHEMICAL COMPANY, ST. LOUIS, MO., U.S.A.

Orders may be sent to CHAS. TRUAX, GREENE & CO.



DRUGS AND CHEMICALS.

Prices include containers.

AMMONIUM, Muriate, powdered, pure.....	lb	\$0 20
Nitrate, crystal.....	lb	25
“ granulated.....	lb	27
Oxalate.....	oz. 12, lb	85
Phosphate.....	oz. 13, lb	94
Picrate.....	oz	35
Salicylate.....	oz	34
Sulpho-carbolate.....	oz	14
Tartrate.....	oz	20
Valerianate.....	oz	30
AMYL, Nitrite, Mallinckrodt's	oz	30
Nitrite, Pearls, boxes of 1 doz., 2, 3, 4 or 5 drops.....	per box	35
“ “ “ 1 “ 8 or 10 drops.....	per box	45
Aniline Dyes. See Microscopic Material.		
ANODYNE, Hoffman's.....	lb	65
Hoffman's true.....	¼ lb. 30. lb	1 00
ANTIFEBRIN, C. P., Cryst., perfectly white, Kalle's, 1-oz cartons.....	oz	25
Max. Dose: single, 1 gramme (15 grs.); daily, 4 grammes (1 dr.).		
ANTIKAMNIA, powdered (see page 130).....	oz	1 00
Tablets, 1, 2, 3, 5 and 10 grain sizes.....	oz	1 00
And Salol Tablets.....	oz	1 00
And Quinine.....	oz	1 00
ANTIMONY, black, powdered, com'l.....	lb	06
Pure, powdered.....	lb	30
Chloride, Sol. (Butter of).....	lb	34
Tartrate and Potassa (see Tartar Emetic).		
ANTIPYRINE.....	oz	1 40
Antipyretic, Analgesic, Antigalactic, Antineuralgic, Anodyne, Local Anæsthetic, Nervine, etc., etc. Pure Antipyrine is a fine white crystalline powder, very soluble in water, alcohol and chloroform; forms a colorless solution with water, perfectly stable under ordinary conditions. Incompatible with sweet spirits of nitre, with the salicylates of the Alkalies, and all astringent vegetable substances, Lead Acetate, Iron, Chloride, Iron Sulphate and Copper Sulphate.		
Literature on application. See advertisement.		
ANTISEPTIC SOLUTION, Eucalyptol Compound.....	lb. 60, 5 lbs. \$2.40, gal	3 75
Antiseptic Solution Eucalyptol Compound “Micrazotal,” is a valuable antiseptic for both internal and external use. It is composed of Eucalyptol, Thymol, Resorcin, Menthol and Benzoic Acid, combined with a 5 per cent. solution of Boroglyceride (see Micrazotal).		
ANTISEPTIC TABLETS (Alkaline), Dr. Carl Seiler's.....	100's, 40c, 500's	1 50
ANTISEPTIC TABLETS (Bichloride).....	100 50c, 500	2 00
Each tablet contains the requisite amount of Corrosive Sublimate to make 1 to 1000 solution when added to 1 pint of water.		
APIOL.....	oz	54
APO-MORPHINE, Cryst.....	½ oz	1 25
Muriate, Amorphous, Merck's	½ oz	55
ARISTOL, 1-oz cartons.....	oz	1 80
Aristol is now widely known as a very safe, pleasant and effective surgical dressing. It is especially useful in leg ulcers, cavital ulcerations, ozena, etc., and where prompt cicatrization is desired.		
ARISTOL GAUZE, 5 per cent., in 1-yard rolls.....	yd	60
“ “ 5-yard rolls.....	yd	50



Best Bill of Fare

...FOR...

BABY

BREAKFAST,

Lactated Food.

DINNER,

Lactated Food.

SUPPER.

Lactated Food.

With an occasional lunch of Lactated Food.
This is the standard diet for Babies of all ages.
It is relished by them as well as mother's milk and
keeps them strong and well.

Lactated Food contains neither cane sugar nor starch; its base is sugar of milk; it is a cooked, predigested, non-irritating **Food**. Used either with or without milk, it is best and most economical.

Physicians are Requested

To send for a package of **Lactated Food**
and prove to their own satisfaction its
real value.

WELLS & RICHARDSON CO.,
BURLINGTON, Vt.



DRUGS AND CHEMICALS.

	Per oz.	4-oz bots. each,	1-lb bots. each,
AROMATIC DIGESTIVE POWDER.....	\$0 40	\$1 05	\$4 00

Formula:

Saccharated Pepsin, U. S. P...	800 parts.
Pancreatin.....	100 "
Veg. Diastase.....	10 "
Lactic Acid.....	10 "
Hydrochloric Acid.....	20 "
Fl. Ext. Aromatic, U. S. P....	60 "
To make 1000 "	

A valuable remedy for Dyspepsia in its various forms, and
for all disorders arising from imperfect digestion of foods.

AROMATIC DIGESTIVE LIQUID (Synergia).....	pt. 70, 5 pts.	\$3.00,	gal 4 50
---	----------------	---------	----------

Each fluidrachm represents 10 grains Aromatic Digestive Powder.

AROMATIC DIGESTIVE TABLETS.....	{ 1000 3 50 500 2 00 100 50
---------------------------------	-----------------------------------

Each tablet contains 5 grains Aromatic Digestive Powder.

ARROW ROOT, American.....	lb	12
Bermuda.....	lb	35
St. Vincent.....	lb	15
ARSENIC, powd., com'l.....	lb	08
Bromide.....	oz	47
Chloride.....	oz	57
" solution.....	lb	85
Iodide, Mallinckrodt's	oz	52
ARSENIC SOLUTION, Clemens'.....	lb	60

This solution contains an amount of Arsenic in combination, corresponding to
about 1 per cent. of Arsenious Acid.

Donovan's, U. S. P., 1-lb bottles.....	lb	30
Fowler's " " ".....	lb	20
AS-PAR-O-LINE, Compound, Wampole's 8-oz bottles.....	per doz	8 00
ATROPINE, pure, Merck's , ½-oz vials.....	each	65
Sulphate, ½-oz vials.....	each	50
" 15-grain vials.....	each	22

AURUMIDIA.....	.oz 25, ¼ lb 75, lb	2 50
----------------	---------------------	------

A compound of Chloride of Gold and Sodium, Nitrate of Strychnine and Atropine,
combined with F. E. Cinchona, Coca Leaves and Aromatics.

Each fluidrachm contains

Chlor. Gold and Sodium.....	¼ gr
Nitrate of Strychnine.....	1-48 gr
Atropine.....	1-192 gr

PROPERTIES: Tonic, Aphrodisiac and Reconstructive.

USES: Nervous debility following overwork, excesses or debauches, convalescence from wasting diseases, and especially recommended in Opium habit and Dipomania, or chronic alcoholism.

DOSE: 10 to 30 minims in water, 3 or 4 times daily.

BALSAM Copaiba, Para.....	lb	60
Copaiba, Solidified.....	lb	1 10
Fir, Canada.....	lb	50
Peru.....	lb	2 00
Tolu.....	lb	56



We wish to call the attention of the
 Medical Profession to our _____
 New Preparation which we call

TRI-FERMENT GOMP.

... COMPOSED OF ...

Pure Pepsin, Pancreatin, Diastase, Lactic Acid and Hydrochloric Acid,

Combined in the proportion that experience has taught
 to be the best to assist the stomach in the preparation of food for
 Assimilation, and which we offer as

An Elixir and a Powder.

Although we mention this as a new preparation, it is not entirely new to the profession, excepting in name, being similar but superior to the many Patented Preparations of Pepsin and Pancreatin combinations so widely advertised for the cure of Indigestion accompanied by General Debility, Chronic Diarrhoea, Constipation, Headache, and all troubles arising from imperfect digestion.

In our preparation we have made considerable improvement over the remedies mentioned, and earnestly request a trial of its merits. We solicit a critical comparison of our preparation with any other similar kind.

A fair test will show that it will digest double the amount of Coagulated Albumen, peptonize twice the quantity of Milk, and change three times as much Starch as the most popular similar powder.

We will take pleasure in mailing to any Physician wishing to test the above, a sample of the Tri-Ferment Powder, for examination and comparison.

HENRY THAYER & CO.

CAMBRIDGEPORT, MASS.



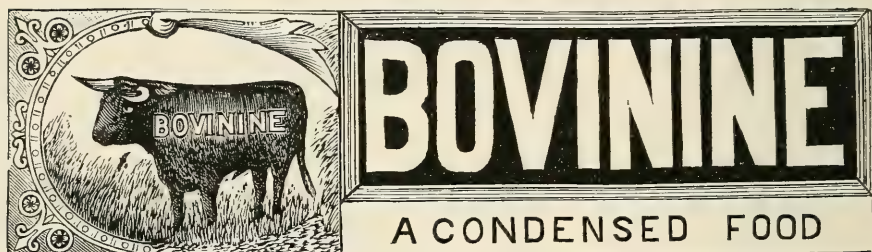
DRUGS AND CHEMICALS.

Prices include containers.

BALM GILEAD BUDS.....	lb	\$0 45
BARIUM, Acetate.....	oz	19
Carbonate 1 lb boxes.....	lb	47
Chloride (Muriate) 1 lb boxes.....	lb	19
Chloride, C. P.....	lb	33
Iodide.....	oz	57
Nitrate, powdered.....	lb	24
" C. P.....	lb	42
Sulphate (Barytes).....	lb	15
BARKS, See under name of bark wanted.		
BARLEY, Pearl.....	lb	06
BATTERY FLUID.....	Pint. Quart. 5-pt. bots. Gal. bots.	\$0 25 \$0 35 \$0 60 \$0 75
Cautery.....	25 40 75	1 00
BAYBERRY BARK, powdered.....	lb	20
BAY RUM, Domestic.....	Pint. Quart. Gallon.	\$0 40 \$0 70 \$0 2 25
Imported.....	50 90	3 05
BEANS, Jequirity.....	oz	10
" powdered.....	oz	20
BEEF EXTRACT, Fluid, "Rex," (Cudahy's), 4-oz.....	per doz	4 50
" " " 8-oz.....	per doz	8 00
" " " (pints).....	doz	13 75
"Rex," solid, Cudahy's, 2-oz jars.....	doz	3 65
" " " 4-oz jars.....	doz	6 75
" " " 8-oz jars.....	doz	12 65
" " " 16-oz jars.....	doz	23 65
Peptonized (Cudahy's), 2-oz jars.....	doz	4 25
" " " 4-oz ".....	doz	7 25
" " " 8-oz ".....	doz	13 75
" " " 16-oz ".....	doz	25 50
BEEF JUICE (Wyeth's).....	per doz	7 00
BEEF PEPTONIDS. See page 200.	doz	8 00
BEEF TONIC, liquid (Colden's). See page 124.....	per doz	8 00
BEEF, WINE and IRON, 1 pt 60, 5-pt bots. each \$2 50, 1-gal bots.....	each	3 75
BEER, See Wines and Liquors.		
BELLE OF BOURBON, See page 246.		
BELLADONNA, Leaf, powdered.....	lb	40
Root, powdered.....	lb	40
BENZOIN, Gum, See Gums.		
BENZOLE, C. P.....	lb	90
Pure.....	lb	50
BENZOSOL.....	per oz	1 40

Benzosol is a reliable and useful substitute for Creosote, and is particularly endorsed as an internal antiseptic in Phthisis, etc. Chemically considered, Benzosol is guaiacol in which the hydrogen atom of the hydroxyl group is replaced by benzoyl. By the very process of manufacture all foreign ingredients are excluded, and the product is a chemically pure substance. It forms a colorless crystalline powder, almost entirely tasteless. It melts at 50° C. Water does not take it up, but hot alcohol, ether and chloroform dissolve it readily. It contains 54 per cent. of guaiacol. Twelve grains Benzosol are equal to 24 grains of Creosote.

Literature on application; see adv.



It is the Original and only Preparation of Raw Food in the World.

A Most Wonderful Nutrient and Restorative.

The vital principles of Beef concentrated. A highly condensed Raw Food Extract. Acceptable to the most delicate taste and smell. Retained by irritable stomachs that reject all other foods. It assimilates more readily than any other food known to the medical profession. Bovinine under the microscope shows the blood corpuscles in their normal condition strongly marked, while in other foods or extracts this vitally important element is destroyed by the heat in cooking.

Creates New and Vitalized Blood Faster than any other Preparation.
Builds up the System after severe Sickness.
Soothes and alleviates Extreme Sensitiveness of the Digestive Organs.

**NURSING MOTHERS, INFANTS AND CHILDREN
 THRIVE SURPRISINGLY BY ITS USE.**

Will Permanently Cure Nervous Prostration.

"During the last four months of his sickness, the principal food of my father, Gen. Grant, was Bovinine and Milk; and it was the use of this incomparable food alone that enabled him to finish the second volume of his personal memoirs.

Oct. 1, 1885.

FRED. D. GRANT."

PUT UP IN 6 AND 12 OUNCE SIZES AT 60c. AND \$1.00 PER BOTTLE.

Twelve ounces contain the strength of ten pounds of meat.

We append the names of a few well known Physicians of New York City, who are constant prescribers of Bovinine and to whom we are permitted to refer:

Louis A. Sayre.
 A. Gaston Roeth.
 H. M. Hitchcock.
 S. G. Sewall.
 Joseph D. Bryant.
 E. G. Janeway.
 Daniel Lewis.

David Wark.
 T. Field Allen.
 Bushrod W. James.
 Simon Baruch.
 G. R. Elliot.
 W. H. Katzenbach.
 Grace Peckham.

Leroy M. Yale.
 Egbert Guernsey.
 P. R. Johnson.
 H. J. Boldt.
 Graeme M. Hammond.
 A. L. Loomis.
 Clarence C. Rice.

W. Tod Helmuth.
 A. B. Norton.
 Chas. Henry Brown.
 A. Jacobi.
 Ella A. Jennings.
 D. B. St. John Roosa.
 Paul F. Munde.

THE BOVININE CO.,

65 SOUTH FIFTH AVE., NEW YORK CITY.

FOR SALE BY ALL DRUGGISTS.

Orders may be sent to CHAS. TRUAX, GREENE & Co.



CAFBROMALID

ACETANILID WITH BROMIDE CAFFEINE AND SODIUM.

Cafbromalid is prescribed in all forms of **Nervous Headache**. Exhibited in various spasmodic diseases as **Whooping Cough, Asthma, Chorea, Dysmenorrhoea**, and similar affections it is very effective. In **Influenza** and **Hay Fever** its use is followed by **most gratifying results**.

CAFBROMALID

RECOMMENDS ITSELF TO THE PROGRESSIVE PRACTITIONER,

as a compound having special
value in the treatment of all . . .

Acute Inflammatory affections in which **Fever, pain and restlessness** are to be combated.

It has grown in favor with the medical profession for its therapeutical activity, reliability and safety. The uniform good effects derived from its use are largely dependent upon the purity of its component parts.

No toxic effects have been caused by it, nor is its use followed by depression of the Cardiac System.

Cafbromalid is furnished to physicians at the following prices :

PER OUNCE, (FINELY POWERED),	-	-	-	-	\$ 25
FIVE OUNCE CAN, (FINELY POWERED),	-	-	-	-	1 00
PKGS. CONTAINING 100 TABLETS, 5 grs. each,	-	-	-	-	40
" " 500	"	"	-	-	1 75
" " 1000	"	"	-	-	3 00

CHAS. TRUAX, GREENE & CO., 75 & 77 Wabash Ave., CHICAGO.



DRUGS AND CHEMICALS.

Prices include containers.

BRUCINE, $\frac{1}{8}$ -oz vials.....	each	\$0 25
Sulphate, $\frac{1}{4}$ -oz vials.....	each	25
BUDS, Balm of Gilead.....	lb	45
Cassia.....	lb	27
BUCHU LEAVES (short).....	lb	45
Powdered.....	lb	50
BUCKTHORN BARK.....	lb	20
Powdered.....	lb	25
BURDOCK ROOT.....	lb	20
Powdered.....	lb	25
Ground.....		
BURROUGHS, WELLCOME & CO., Special Preparations, see page 188.		
BUTTERNUT BARK.....	lb	16
Powdered.....	lb	20
BUTTER OF COCOA.....	lb	50
Of Antimony.....	lb	35
CACTINA PILLETS (see page 148).....	per doz bottles	2 00
CADMIUM, Bromide, Mallinckrodt's.....	oz	20
Chloride.....	oz	29
Iodide.....	oz	43
Nitrate.....	oz	29
Sulphate, pure.....	oz	29
CAFBROMALID, Acetanilid with Bromide of Caffeine and Sodium (see p. 138). .lb		3 00
5-oz cans.....	each	1 00
.....	oz	25
Tablets, 5 grains, 100's, 40c.; 500's, \$1.75.....	per 1,000	3 00
" 2 " 100's, 25c.; 500's, \$1.00.....	per 1,000	1 75
<p>Acetanilid with Bromide of Caffeine and Sodium Powder; perfectly white. Used largely as a substitute for Morphine, and as an Antipyretic and analgesic. Useful in all pyrexias and acute inflammatory affections, to reduce fever and to quiet pain. It is prescribed with great success in nervous or sick headache, neuralgia, siatica and rheumatism. In acute bronchitis, influenza and hay fever, the attack is often arrested within twenty-four hours (with 5-grain doses every two hours).</p>		
CAFFACEMON (see page 202).....	lb	5 00
CAFFEINE, Alkaloid, pure, cryst.....	$\frac{1}{8}$ oz 10, oz	45
Bromide, Mallinckrodt's.....	$\frac{1}{8}$ oz 12, oz	65
Citrate.....	$\frac{1}{8}$ oz 10, oz	45
Hydrobromate (Bromide), cryst.....	$\frac{1}{8}$ oz 12, oz	65
Hydrochlorate, cryst.....	$\frac{1}{8}$ oz 15, oz	80
Nitrate, cryst.....	$\frac{1}{8}$ oz	20
Salicylate, true salt.....	$\frac{1}{8}$ oz	18
Sulphate, cryst.....	$\frac{1}{8}$ oz	15
Valerianate.....	$\frac{1}{8}$ oz	15
And Sodium, benzoate.....	$\frac{1}{8}$ oz 10, oz	55
" " Hydrobromate (Bromide of Caffeine and Sodium)....	$\frac{1}{8}$ oz	18
" " Salicylate.....	oz 10, $\frac{1}{8}$ oz	55
CALAMUS ROOT (bleached).....	lb	45
Powdered.....	lb	40



Camenthol

LARYNGITIS PHARYNGITIS HAY FEVER.

A NEW PROCESS OF COMBINING CAMPHOR AND MENTHOL.

Camenthol is an oleagenous liquid resulting from a molecular union of refined Camphor and Japanese Menthol.

In combination with Lavoline as prepared in our laboratory it forms a compound that the busy practitioner will hail with delight, as it at once offers a ready means of prescribing for that most prevalent of all diseases, inflammation of the respiratory mucous membrane, manifested by nasal catarrh, acute and chronic Pharyngitis, Laryngitis and Hay Fever. Its action is instantaneous in reducing Turgescence of the turbinated bodies and checking excessive discharges.

Dr. S. S. Bishop of Chicago, a well known specialist in diseases of the respiratory organs, has extolled it most highly in a paper read by him before the Mississippi Valley Medical Society, and whose article appears in the Journal of the American Medical Association, issue of October 24th, 1891.

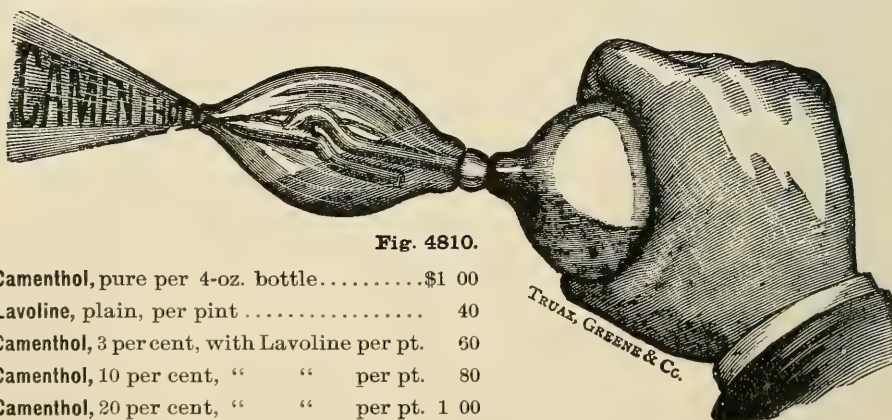


Fig. 4810.

Camenthol, pure per 4-oz. bottle.....	\$1 00
Lavoline, plain, per pint	40
Camenthol, 3 per cent, with Lavoline per pt.	60
Camenthol, 10 per cent, " " per pt.	80
Camenthol, 20 per cent, " " per pt.	1 00

Camenthol Atomizers, each, 75c., per doz., \$8.50.

Unlike most preparations in the market designed for similar purposes, we make no claim for it as an absolute specific. We do ask, however, that you give it sufficient consideration to afford it at least a trial and to facilitate this we are prepared to furnish, upon application, samples free of all expense, together with literature appertaining to its use.

NOTE.—The three per cent solution will be supplied on all orders for Camenthol where strength is not specified,

CHAS. TRUAX, GREENE & CO.

75-77 WABASH AVENUE, CHICAGO.



DRUGS AND CHEMICALS.

Prices include containers.

CALCIUM, Bromide, Mallinckrodt's	oz	\$0 12
Bromide ".....	lb	79
Benzoate.....	oz	34
Carb. precip.....	lb	12
Chloride gran.....	lb	47
Chloride, fused.....	lb	47
Hypophosphite.....	lb	1 50
".....	oz	18
Iodide, Mallinckrodt's	oz	47
Lactate.....	oz	24
Lactophosphate, soluble.....	oz	34
Phosphate, precip.....	lb	26
Salicylate.....	oz	39
Sulphite.....	lb	29
Sulpho Carbolate.....	oz	14
CALENDULA, flowers.....	lb	50
Powdered.....	lb	60
CALOMEL, Mallinckrodt's	lb	95
English.....	lb	1 35
CAMENTHOL, pure, 4-oz., bottle (see page 140).....	each	1 00
1-oz., " ".....	oz	30

This product is formed by the union of Refined Camphor and Japanese Menthol. Its utility in the treatment of Catarrhal diseases was brought to the attention of the medical profession by Dr. S. S. Bishop, in a paper read by him before the Mississippi Valley Medical Society, held at St. Louis, Mo., October 14-16, 1891.

For diseases of the respiratory organs, Camenthol is combined with Lavoline and applied to the affected parts by means of the Camenthol Atomizer or Spray.

CAMENTHOL (3 per cent. with Lavoline).....	per pint	60
10 per cent. with Lavoline, per pint.....		80
20 " ".....		1 00

NOTE.—The 3 per cent. solution is recommended by Dr. Bishop for general use, and will be supplied on all orders for Camenthol where strength is not specified. (See Lavoline Spray Solution, page 173.)

	1-lb bots. each.	½-lb bots. each.	1-lb bots. each.
CAMPHENOL, from Refined Camphor and Synthetic Car- bolic Acid.....	\$0 30	\$0 50	\$0 80

Properties.—Antiseptic, Anaesthetic and Germicide. By virtue of its freedom from caustic or irritating properties, Camphenol is superior to Carbolic Acid as a surgical dressing. It is of great value wherever septic odors have to be overcome, and where a harmless, non-irritating but powerful antiseptic is indicated. Combined with Lavoline, it forms an excellent antiseptic and healing lotion, employed in diphtheria and scarlet fever, to remove fetor and to destroy the germs of contagion; in ulcerated conditions of the air passages and to correct offensive secretions in chronic nasal catarrh, etc. Lavoline Spray Solution No. 2, containing 4 per cent. of Camphenol, is a suitable solution for application of spray. (See Lavoline Spray Solutions.)

CHAS. TRUAX & CO. GREENE

SALITONIA.

FOR DYSPEPSIA,
NAUSEA, AND
ALL DERANGE-
MENTS OF EN-
TERIC AND
URINARY
SYSTEMS
ETC.

ONE OUNCE CANS IN POWDER OR TABLETS.

FOR
SALE
BY ALL
DRUGGISTS.
SENT BY
MAIL ON RE-
CEIPT OF PRICE,
\$1.00

PHENIQUE
CHEMICAL COMPANY,
ST. LOUIS, MO.



USED BY ALL SURGEONS.

CAMPHO-PHÉNIQUE

(C₁₀ H₁₆ O.)

EFFICIENT—
—PAINLESS—
—UNIRRITATING—
—GERMICIDES—
—ANTISEPTICS

CHLORO-PHÉNIQUE

(C₆ H₅ (O H) Cl.)

For Literature and Samples, address Phenique Chemical Co., St. Louis, Mo.

FOR SALE EVERYWHERE.

Orders may be sent to CHAS. TRUAX, GREENE & CO.



DRUGS AND CHEMICALS.

Prices include containers.

CAMPHOR, refined.....	lb	\$0 60		
Mono-bromide.....	oz	22		
Powdered.....	lb	70		
CAMPHO-PHENIQUE (see page 142).....	doz	8 00		
CANELLA, bark, powdered.....	lb	25		
CANDY, Rock, on strings.....	lb	16		
CANTHARIDES, Russian.....	lb	1 10		
" powdered.....	lb	1 30		
CAPSICUM, African, powdered.....	lb	25		
CAPSULES, Gelatine (empty), in boxes of 100 each.....	per doz. boxes	1 00		
Gelatine, " " " ".....	single boxes	10		
" " " " 1000 each.....	per box	60		
" " " " colored pink (100s).....	per doz boxes	1 10		
" " " " (100s).....	per box	10		
" " " " (1000s).....	per box	65		
Vaginal, Anderson's.....	boz	60		
" " with Hydrastis and Opium.....	box	60		
" " Iodoformized.....	box	60		
CARAMEL, solution.....	lb	25		
CARRAWAY SEED.....	lb	12		
Powdered.....	lb	20		
CARDAMOM SEED (Aleppo).....	lb	1 00		
(Mangalor), bleached.....	lb	1 65		
Powdered.....	lb	1 25		
CARBON, bisulphide, Mallinckrodt's.....	lb	25		
CARMINE NO. 40.....	oz	40		
CASCARA LAXATIVE (See Elixirs.)				
Sagrada, bark.....	lb	20		
" powdered.....	lb	25		
tasteless (See Fluid Extracts.)				
CASCARILLA, Bark, powdered.....	lb	30		
CASSIA BARK, ordinary.....	lb	15		
CASSIA (Saigon), bark.....	lb	45		
" " powdered.....	lb	50		
Buds.....	lb	27		
CASTOR FIBRE, powdered.....	oz	1 00		
CELERINA (see page 184).....	doz	8 50		
CELERY SEED.....	lb	20		
Powdered.....	lb	25		
	4-oz jars, each.	8-oz jars, each.	1-lb jars, each.	
CERATE, Calendula.....	\$0 25	\$0 45	\$0 80	
Camphor, U. S. P.....	20	35	65	
Cantharides, U. S. P.....	35	60	1 00	
Lead, sub-acetate, U. S. P.....	20	35	60	
Petrolatum.....	20	35	60	
Resin, U. S. P.....	15	25	45	
Simple, U. S. P.....	20	35	55	
Spermaceti, U. S. P.....	20	35	55	



Platt's Chlorides,

A liquid Disinfectant of great power, thoroughly reliable, entirely odorless, very cheap.
Especially prepared for the practical every day uses of the careful physician.

It seems hardly necessary to laud the merits of this well-known preparation, which for so many years has been used and recommended by thousands of our most worthy physicians—and daily employed by hundreds of thousands of wise and careful housekeepers.

It is a fact beyond dispute that the liberal and frequent use of PLATT'S CHLORIDES in the sick chamber does so radically purify and change the atmosphere of the room as to greatly aid the recovery of the patient, while materially adding to the comfort of both patient and attendants. By simply wetting the towel with a solution made by mixing one part of this disinfecting liquid with six or eight parts of water—wringing the towel out so as it will not drip—and then shaking or wafting this towel about the room for a few minutes, the air of the room is radically changed, the mephitic odors or gases, and they exist in every sickroom, are destroyed or absorbed, and a pure, sweet atmosphere results.

In all Contagious Diseases, for destroying the germ life exhaled from the patient and preventing the spread of the disease, the use of this radical Germ-Destroyer is simply imperative. In Diphtheria, as a spray or wash for the throat and nasal passages, in high dilution, many cures have been effected.

In Cancer, Offensive Ulcers, Gangrenous Wounds and Old Sores, as a deodorant, nothing in the chemical world has proven so satisfactory.

In Consumption, for neutralizing the poisonous sputa; in Fevers for disinfecting the alvine discharges; in the Lying-in Room, as an antiseptic; in Obstetric Practice, as a vaginal injection and as a local application as recommended by Prof. Munde, of New York, Prof Duer, of Philadelphia, and others, PLATT'S CHLORIDES stands pre-eminently without an equal.

As a HOUSEHOLD DISINFECTANT, having no odor, destroying all poisonous matter, gases and disease-germs by direct chemical action, its great value and usefulness in every family should be known to every physician, for upon him rests the important duty of educating the people in sanitary matters.

PLATT'S CHLORIDES is sold in quart bottles, at 50 cents each, by druggists generally. Each quart prepares from two to three gallons of powerful disinfecting fluid.

Circulars descriptive of its mode of manufacture, autograph indorsements from the most eminent physicians of America, together with a large sample bottle, will be sent by express, free, on request, to any physician who may still be unacquainted with its merits.

Address, giving both Post and Express Offices :

HENRY B. PLATT,

36 PLATT STREET, - - - NEW YORK.

Orders may be sent to CHAS. TRUAX, GREENE & CO.



DRUGS AND CHEMICALS.

Prices include containers.

CERIUM NITRATE.....	oz	\$0 37
Oxalate, Merck's	oz	12
" Mallinckrodt's	oz	12
CHALK, French, powdered.....	lb	08
" Precipitated, English.....	lb	10
" Prepared, in drops.....	lb	10
" " 5-lb boxes.....	lb	09
CHAMPAGNE (See Wines and Liquors,)		
CHAMOMILE FLOWERS, German.....	lb	40
Roman.....	lb	35
CHARCOAL, animal, powdered.....	lb	08
" purified, U. S. P.....	lb	25
Willow, powdered.....	lb	15
" " (extra fine).....	b	30
CHIONIA (see page 162).....	doz	8 00
CHINOIDINE, 1-oz rolls.....	oz	12
Powdered, 1-oz vials.....	oz	40
CHINOLINE, pure.....	oz	50
Tartrate.....	oz	50
CHLORALAMID, 25-gramme pkg.....		80
CHLORAL HYDRATE, Crusts, Mallinckrodt's	lb	1 50
Crystals, g. s. bottles.....	lb	1 50
" " ".....	$\frac{1}{2}$ lb	80
" " ".....	$\frac{1}{4}$ lb	45
" " ".....	oz	20
" R. & H. (see page 216).....	lb	1 50
CHLORIDES, Platt's (see page 146).....	doz	4 00
CHLORINE WATER.....	lb	40
CHLORINATED LIME, 1-lb impervious boxes.....	lb	10
$\frac{1}{4}$ -lb " ".....	lb	15
CHLORODYNE.....	oz. 25, $\frac{1}{4}$ lb. 80, lb	3 00

Each fluidrachm contains

Morphine Muriate.....	$\frac{1}{8}$ grain.
Fld. Ext. Cannabis Indica.....	$7\frac{1}{2}$ minims.
Chloroform.....	.6 minims.
Acid Hydrocyanic (dilute).....	1 minim.
Oil Peppermint.....	q. s.
Tinct. Capsicum.....	q. s.
Glycerin.....	15 minims.
Alcohol, q. s. ad.....	1 fluidrachm.

PROPERTIES.—Chlorodyne is of great value where anti-spasmodics are indicated, and for painful diseases requiring an anodyne. It is largely used as a remedy for cholera morbus, neuralgia, spasmodic pains, etc.

ADULT DOSES.—15 minims in repeated doses according to indications.

CHLOROFORM, Mallinckrodt's	lb	83
Purified.....	lb	70
R. & H. (see page 216).....	per lb	
Squibb's.....	.500-gramme bottle	1 40
".....	.250-gramme bottle	75



C. F. BOEHRINGER & SOEHNE, MANUFACTURING CHEMISTS,

15 Cedar Street, - - NEW YORK.

HYDROCHLORATE OF COCAINE.

"BOEHRINGER."

The merits of our Cocaine, as a first-class thoroughly reliable preparation, have long since been fully recognized by the majority of physicians, surgeons and chemists, and more especially has it been distinguished by the approbation of

Dr. BENJ. H. PAUL, of London,
Prof. Dr. SCHROETTER, of Vienna,
Prof. STOERK, of Vienna,
Prof. STELLWAG, of Vienna,
Prof. Dr. JURASZ, of Heidelberg,
Prof. Dr. E. FISCHER, of Strassburg,
Prof. Dr. RIEDINGER, of Wurzburg,
Prof. Dr. G. DRAGENDORFF, of Dorpat,
Dr. K. EMELE, of Graz,
Dr. LEOPOLD LANDAU, of Berlin
Dr. HERENHEISER, of Prague,

Prof. CASIMIRO MANASSEI (President of
the Italian Section of the International
Medical Congress of Paris),
Dr. G. B. DANTONE, of Rome,
Dr. AUG. RITTER VON REUSS, Professor
of Ophthalmology, Royal and Imp.
University, Vienna.
Prof. Dr. SCHOEBE, of Prague,
Prof. Dr. U. MOSO, of Turin,
Prof. M. A. TICHOMIROFF, of Moscow,

and others.

Our Cocaine Hydrochlorate is in beautiful, well defined crystals, and entirely free from amorphous matter. It is also free from other alkaloids, and from Benzoyllecgonin. It stands Maclagan's and every other test.

FOR SALE BY ALL DRUGGISTS.

Orders filled by CHAS. TRUAX, GREENE & CO.



DRUGS AND CHEMICALS.

Prices include containers.

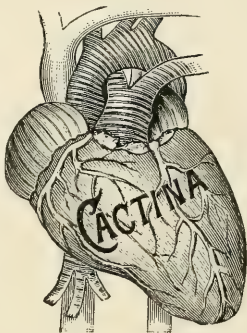
CINCHONA BARK (Calisaya).....	lb	\$0 80
" powdered.....	lb	90
(Pale Loxa).....	lb	50
" " powdered.....	lb	60
Red, powdered.....	lb	50
" (true), assayed, powdered.....	lb	1 00
Yellow, powdered.....	lb	25
CINCHONINE, Alkaloid, pure.....	oz	27
Bisulphate.....	oz	18
Mixture, 3-oz boxes.....	box	25
Muriate.....	oz	20
Salicylate.....	oz	30
Sulphate.....	oz	15
CINCHONIDINE, Alkaloid, pure.....	oz	30
Bisulphate.....	oz	22
Muriate.....	oz	20
Salicylate.....	oz	40
Sulphate, P. & W.....	oz	14
" " 5 oz cans.....	oz	09
" " Truax, Greene & Co's.....	oz	11
" " " " 5-oz cans.....	oz	07
" " " " 100-oz cans.....	can	3 50
CINNAMON BARK, Ceylon, powdered.....	lb	50
CINNAMON BARK, Cassia, powdered.....	lb	50
CLOVES.....	lb	20
Powdered.....	lb	25
COCA COMPOUND (See Elixirs).		
Leaf, powdered.....	lb	75
Wine (See Wine of Coca.)		
COCAINE, Alkaloid, ounce vials.....	oz	8 00
COCAINE CAMPHENATE, $\frac{1}{8}$ -oz vials 60c.....	1-oz vials	4 50
Colorless liquid resulting from the union of Cocaine alkaloid with its equivalent of Camphenol. The Camphenate is of therapeutical interest chiefly as yielding a product superior to the hydrochlorate solution for mucous membrane application. Miscible with Lavoline and other oils (See Lavoline Spray Solution No 6, page 173).		
COCAINE HYDROCHLORATE (Muriate), 1-oz vials.....	oz	6 75
Hydrochlorate (Muriate), $\frac{1}{8}$ -oz vials.....	each	3 40
" $\frac{1}{8}$ -oz ".....	each	90
" 5, 10 and 15 gr vials.....	gr	02
Solution 4 per cent.....	oz	50
Muriate, Boehringer's (see page 146).....	$\frac{1}{8}$ -oz. vials, each	90
" " 5, 10 and 15 gr vials.....	gr	02
" Mallinckrodt's , 5, 10 and 15 gr vials.....	gr	02
" " $\frac{1}{8}$ -oz vials.....	each	90
" " 	oz	6 75
Subject to market changes.		
COCHINEAL, HONDURAS.....	lb	40
Powdered.....	lb	45



CACTINA PILLETS.

Indicated in **ABNORMAL HEART ACTION**, such as tachycardia, palpitation, irregularity, feebleness, slowness, &c. For the cardiac weakness and nervousness **CAUSED BY** the use of tobacco, tea, coffee, alcohol or sexual excesses, Cactina is **SPECIALLY** valuable, and should be used **UNTIL** the heart and nerves regain their normal vigor. **TO PREVENT CARDIAC DEPRESSION**, it should also be given **WITH** all antipyretics, anodynes, and hypnotics, and **AFTER** all hypodermic administrations of morphia.

Each Pillet represents one one-hundreth of a grain of Cactina—the active proximate principle of Cactus Mexicana



DOSE.—One Pillet every hour, or less frequent, as may be necessary.

PRICE PER BOTTLE
(100 Pillets)
25 CENTS.

It has no cumulative action, and is agreeable to the stomach in all conditions—in a word—Cactina is a **SAFE** and **EFFICIENT** cardiac and general tonic, and hence indicated in **EVERY FORM** of debility.

A sample bottle mailed, free of charge, to any physician not acquainted with the therapeutic value of Cactina Pillels.

SULTAN DRUG CO., CHEMISTS.

ST. LOUIS, Mo., and LONDON, Eng.

Orders may be sent to CHAS. TRUAX, GREENE & Co.



DRUGS AND CHEMICALS.

Prices include containers.

COCOA, BUTTER OF.....	lb	\$0 50	
CODEINE, Alkaloid, cryst., 1/8-oz vials.....	each	70	
Phosphate, 1/8-oz vials.....	each	70	
Sulphate, 1/8-oz vials.....	each	60	
COD LIVER OIL (See Oils.)			
COD LIVER OIL IN EXTRACT OF MALT, "The Kepler," (See page 188).			
COD LIVER OIL, Tasteless (Wampole's).....	doz	8 00	
COLCHICINE, C. P., cryst., 15-gr vials.....	each	55	
COLCHICUM, Root, powdered.....	lb	40	
Seed, ".....	lb	60	
	1-oz bots. each.	4-oz bots. each.	1-lb bots. each.
COLLODION, Simple, U. S. P.....	15	30	1 00
Cantharidal.....	25	75	2 50
Flexible, U. S. P.....	15	30	1 00
Iodized.....	25		
Iodoform.....	25		
Salicylated, comp. (corn cure).....	25	75	2 50
Styptic, U. S. P.....	20	50	1 50
COLOCYNTH, Apples (Trieste).....	lb	60	
" powdered.....	lb	70	
COLUMBO, root, foreign.....	lb	25	
" powdered.....	lb	30	
COMFREY, root, powdered.....	lb	25	
COMPOSITION POWDER (See powders, compound).			
	4-oz jars, each.	8-oz jars, each.	1-lb jars, each.
CONFECTION, Black Pepper.....	20	35	60
Opium, U. S. P.....	60	1 15	2 15
Roses, ".....	20	35	60
Senna, ".....	20	35	60
CONIINE, alkaloid, 1/8-oz vials.....		each	70
Hydrobromate, cryst., 15-gr vials.....		each	50
CONIUM, leaf, powdered.....		lb	30
seed, ".....		lb	35
CONSUMPTION CURE, Shurley & Gibbs:			
Gold Solutions, 1/2-oz vials, 75c.....		1-oz vials	1 00
Iodine Solution, 1/2-oz vials, 75c.....		1-oz vials	1 00
COPPER, Acetate pure.....		lb	80
Ammoniated.....		lb	70
Arsenate, Mallinckrodt's		oz	30
Arsenite.....		oz	25
Carbonate.....		lb	55
Chloride.....		lb	75
Iodide.....		oz	70
Oxide, black.....		oz	12
Subacetate (Verdigris).....		lb	45
Sulphate (Blue Vitrol).....		lb	08
" gran., C. P., Mallinckrodt's , 1 lb. bottles.....		lb	28



IMPORTERS
AND
SOLE LICENSEES
FOR THE
UNITED STATES
FOR

Antipyrine,
Hypnal,
Iodopyrine.
Benzosol,
Dermatol,
Tumenol,
Tumenol Oil.
Tumenol Powder,
Agathin,
Alumnol,
Tuberculin (Dr. Koch),
Tuberculoicin
(Dr. Klebs),

REFINED

Saccharine,
500 times Sweeter
than sugar.
Lanoline,
Thilandin,
Lanoline
Cold Cream,
Lanoline Soap,
Lanoline Pomade,
Lanoline,
Toilet Cream,
Cocaine,
Hydrochlorate,
(Zimmer).

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We Import
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MEISTER, LUCIUS & BRÜENING.

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DRUGS AND CHEMICALS.

Prices include container.

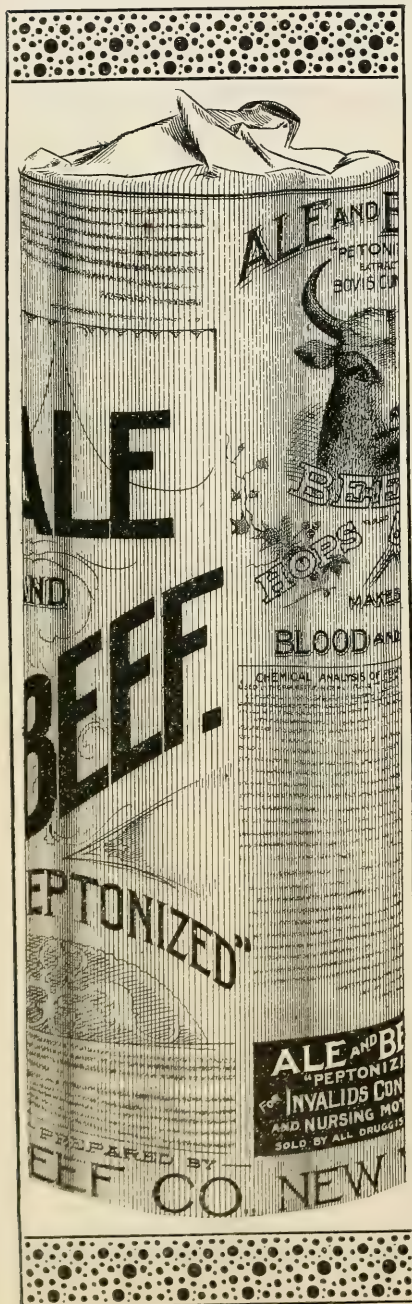
COPPERAS.....	lb	\$0 03
5 lbs or more.....	lb	02
CORIANDER SEED.....	lb	12
Powdered.....	lb	25
CORDIAL ALKALINE (see page 129)		
CORROSIVE SUBLIMATE (see Mercury).		
	1-lb cans.	5-lb cans.
COSMOLINE, Camphorated.....	46	1 70
Carbolized.....	46	1 70
Plain.....	35	1 40
White.....	70	2 85
COTO BARK, Powdered.....	lb	1 25
COTOIN, 15-grain vials.....	each	35
COWHAGE.....	oz	45
CRAB ORCHARD SALTS.....	lb	25
CRANESBILL, Root, powdered.....	lb	35
CREAM TARTAR, pure.....	lb	32
CREOSOTE, German, white.....	oz 10, ¼ lb 25, lb	50
From Beechwood Tar.....	oz 22, ¼ lb 50, lb	1 75
CREOLIN-PEARSON, Merck's, 1 lb c. b.	lb	50
Dark brown, syrupy liquid, sp. gr. 1.040-1.080. SOL.: in W. (to 2½ per cent.), A., E., C. External and internal ANTISEPTIC, DEODORANT, etc.; non-poisonous Succedaneum for Carbolic Acid. APPLIC.: mostly in ½-2 per cent. solut., sometimes undiluted. DOSE: 0.03-0.3 gramme (½-5m) 3 times a day, in pills.		
CROTON CHLORAL.....	oz	55
CROTON OIL (see Oils).		
CUBEB, Berries, stemless.....	lb	65
“ powdered.....	lb	75
CUDBEAR.....	lb	25
CULVER'S ROOT, powdered.....	lb	35
CUMARIN, ½-oz vials.....	each	35
CURCUMA, powdered.....	lb	15
CUTTLE FISH BONE.....	lb	25
Powdered.....	lb	30
DANDELION, Root, German.....	lb	25
Powdered.....	lb	30
DATURINE, Alkaloid, 5-grain vials.....	each	75
Hydrochlorate, 5-grain vials.....	each	75
Sulphate, 5-grain vials.....	each	75
DERMATOL.....	oz	60

A Basic Bismuth Gallate: A saffron yellow powder, insoluble in water, alcohol or ether; odorless, non-hydroscopic, astringent, non-poisonous, non-irritating, stable, being unaffected by steam or dry heat, and having the power to check bacterial growth to a certain extent, though this was not claimed by its sponsors. DR. ARTHUR K. STONE, of Boston.

The profession is justified in considering DERMATOL to be *the very best non-toxic local remedy* for Diarrhoea to be found in our modern Pharmacopoeia.

C. COLASANTI, M. D., Professor at the Rome (Italy) University.

Dr. B. E. Vaughan reports over 65 cases in which he employed DERMATOL in acute Urethri-



Nutritive Tonics

MALT EXTRACTS
BEER, PORTER, ALE
BROWN-STOUT

ARE ALL GOOD, BUT

ALE AND BEEF

"Peptonized"

IS VASTLY SUPERIOR
TO THEM ALL. . . .

. . . It is retained and nourishes when the stomach rejects everything else. About twenty-five thousand physicians endorse it. Your druggist knows all about it. For \$3.00 we will send one dozen bottles prepaid to any part of the United States.

In ordering,

Please state name of your druggist

"What a boon it would be to the Medical Profession if some reliable Chemist would bring out an Extract of Malt in combination with a well-digested or 'Peptonized' Beef, giving us the elements of Beef and the stimulating and nutritious portions of Ale.

"DR. J. MILNER FOTHERGILL."

THE ALE AND BEEF CO.

Factory, Office and Laboratory,

267 W. 17th St.,

NEW YORK.



DRUGS AND CHEMICALS.

tis, and concludes by saying that DERMATOL is the most efficacious drug he has ever used for acute Urethritis.

Professor Rogner, of Vienna, considers DERMATOL the best dry antiseptic we possess.

A succedaneum for IODOFORM for *external* application and BISMUTH SUB-NITRATE for *internal* administration.

CONDITIONS IN WHICH DERMATOL POSSESSES ADVANTAGES OVER IODOFORM.

DERMATOL.

1. It is not poisonous.
2. It is without odor.
3. It is absolutely non-irritating; it allays irritation.
4. It can be sterilized by dry or moist heat (this may be of distinct advantage when gauze is employed).
5. It seems, at present, to lessen discharge to a greater extent, and to favor epithelial formation to a greater degree than does Iodoform.

IODOFORM.

1. It is distinctly poisonous.
2. Its odor is exceedingly disagreeable.
3. It produces in many instances a troublesome dermatitis of the surrounding skin.
4. Iodoform can not be sterilized without decomposition.

Prices include containers

DERMATOL DUSTING POWDER..... \$0 25

Put up in convenient sprinkle-top containers.
Literature on application. See advertisement.

DEXTRINE.....lb 12

DIAPHATHERIN (OXY-QUIN-ASEPTOL), **Merck's**, 1-oz vials.....oz 1 25

HO.C6H5.NH.O.SO2.C6H4.O.NHC6H5.OH.—Amber-yellow prisms, powder or tablets, melting at 85° C (185 F). SOL.: clearly in 1 W., dil. A.; sparingly in absol. A. Powerful non-irritant and relatively non-poisonous Surgical ANTISEPTIC. (Wounds, ulcers, surgical operations, burns, etc.). APPLIC.: in 1/2-1 per cent solut.

DIASTASE OF MALT, 1/8-oz 30.....oz 1 50

DIGESTIVE FERMENT, Elixir, Wyeth's (see page 368).....pints, per doz 10 80

DIGESTIVE FERMENTS (See Pepsin, Pancreatin, etc.).

DIGESTIVE LIQUID, Aromatic, 1b 70, 5-lb bots 3 00.....gal 4 50

DIGESTIVE POWDER, Aromatic, 1 oz 40, 1/4 lb 1 05.....lb 4 00

DIGESTIVE TABLETS, Aromatic, 100, 50c.; 500, \$2 00; 1,000..... 3 50

Ford's (see page 198).

DIGITALIN.....1/8-oz 35

DIGITALIS, Leaf, powdered.....lb 40

DIURETIC ELIXIR, 1b 65, 5s \$2.60.....gal 4 00

(For Formula and properties see Elixirs.)

DIURETIN, Knoll, 1-oz bots.....oz 1 75

DIOVIBURNIA (see page 186, 12-oz bottles.....doz 8 00

DOSIMETRIC GRANULES (Dr. Abbott's), full assortment, see index.

DOVER'S POWDER, 1/4 lb 35.....lb 1 10

DRAGON'S BLOOD, powder.....lb 45

DUBOISINE, pure, amorphous.....5-gr vials 1 00

Sulphate.....5-gr vials 1 00

EARTH, FULLER'S, powdered.....lb 10

EIKONOGEN.....oz 37

ELATERINE, cryst., 15 gr vials.....each 1 25

ELATERIUM, 1/8 oz 25.....oz 1 50

ELECAMPANE, root, powdered.....lb 25

ELDER FLOWERS.....lb 25

Powdered.....lb 30



A Safe Antiseptic for Interior and External Use.

CHAS. TRUAX GREENE & CO.
MICRAZOTOL
ANTISEPTIC SOLUTION EUCALYPTOL COMPOUND.

Composed of Boroglyceride, Eucalyptol, Thymol, Resorcin, Menthol and Benzoic Acid.

An unexcelled antiseptic agent, agreeable and effective, much used internally in ulcerated conditions of the stomach or bowels, Gastralgia, Fermentative Indigestion, Scarlatina, Septicaemia, Diphtheria, Nasal Catarrh, Pharyngitis, etc.

It is also excellent as a lotion for foul smelling wounds, syphilitic ulcers and other sores. It forms an agreeable wash for cleansing the mouth, purifying the breath, and to preserve the teeth from decay, and for the hands of attendants in cases of infectious diseases. Locally it may be employed at will, diluted to suit the various conditions.

For internal use it may be given in doses of one teaspoonful, diluted with water, or associated with other remedies.

PER PINT, 60c. - - - PER GALLON, \$3.75.

CHAS. TRUAX; GREENE & CO.

75 & 77 WABASH AVE.

CHICAGO, ILL.



DRUGS AND CHEMICALS.

Prices include containers

ELM, bark, select slabs.....	lb	\$0 14
“ powdered.....	lb	15
EMETINE.....	¼-oz	60
EMULSION COD LIVER OIL, Budwell's (see page 206).....	doz	7 50
Scott's.....	doz	7 50
Sord's, small.....	doz	7 50
“ large.....	doz	13 80
EPSOM SALTS.....	lb	03
ERGOT, Spanish, powdered, ¼-lb 25.....	lb	85
ERGOTINE.....	oz	44
Merck's, Bonjean's formula.....	oz	44
ERGOTOLE (S. & D.), (see page 178).....	per doz. ozs	4 50
ESERINE (Physostigmine), C. P., 5-gr tubes.....	each	1 25
Citrate, 5-gr vials.....	each	1 00
Hydrobromate, cryst., 5-gr vials.....	each	1 00
Sulphate, 5-gr tubes.....	each	70
ESSENCE OF CINNAMON, ¼-lb 20.....	lb	60
Ginger (Fluid Ginger,) ¼-lb 25.....	lb	75
Lemon, ¼-lb 25.....	lb	75
Peppermint, ¼-lb 25.....	lb	80
Vanilla, ¼-lb 45.....	lb	1 60
Wintergreen, ¼-lb 25.....	lb	75
ETHER, Acetic, Mallinckrodt's	lb	69
Butyric.....	lb	1 39
Chloric (spts. Chloroform, U. S. P.).....	lb	60
Formic.....	lb	2 84
Hydriodic (Iodide Ethyl).....	oz	44
Hydrobromic (Bromide Ethyl).....	oz	26
ETHER, Nitrous conc'd, (1 to 19), ¼-lb 45.....	lb	1 25
Spirit Nitrous, U. S. P.....	lb	50
Sulphuric, conc'd (stronger for Anæsthesia), Mallinckrodt's , ¼-lb 27, ½-lb 49.....	lb	87
“ Squibb's, 100 grammes, 31c.; 250 grammes, 66c.; 500 grammes		1 25
ETHYL, Bromide.....	oz	26
Chloride, 10-gramme tubes.....	each	75
Iodide.....	oz	44
EUCALYPTOL, Limpid.....	oz	50
	1-pt bots.	5 s.
EUCALYPTOL, Compound, “Micrazotol”.....	\$0 60	\$2 50
		1 gal.
		\$3 75
Antiseptic Solution, composed of Eucalyptol, Thymol, Resorcin, Menthol, and Benzoic Acid, combined with a 5 per cent. solution of Boro-glyceride. Properties (see page 154)		
EUCALYPTUS, leaf, powdered.....	lb	30
EUGENOL.....	oz	50
EUROPHEN, 1-oz cartons.....	oz	1 80
Europhen is a complete substitute for iodoform and is indicated in specific lesions, burns, ulcerations, and all external traumatism. It has an agreeable odor, and covers five times more surface than iodoform.		



HAVE YOU TRIED Schumacher's INFANT FOOD?

If not send for sample (see coupon on back of this list), and be convinced of its superiority. After testing it, you will agree with us and all who have used it, that it is

A PERFECT FOOD

PURE

PALATABLE

NUTRITIOUS

Does not overtax the digestive organs and contains in itself all the elements of growth, needed for the complete and perfect structure, alike beneficial to the

Mother, Child, Invalid and Aged.

A glance at the following comparative analysis will prove all that we claim.

	I. SCHUMACHER'S INFANT FOOD.	II. IMPERIAL GRANUM.	III. NESTLE'S MILK FOOD.	IV. MELLIN'S FOOD.	V. LACTATED FOOD.
Albuminoids	13.54	10.51	8.23	5.95	No analysis published. Said to be the sugar of milk, combined with nutritious elements of wheat, barley and oats.
Soluble Carbo Hydrates					
Grape Sugar.....	25.38	trace	6.02	44.69	
Cane Sugar.....			32.93	3.51	
Dextrine	11.19	3.56	5.93	37.24	
Starch.....	39.81	78.93	40.10	none	
Water.....	6.26	5.49	4.72	5.00	
Fat.....	1.89	1.01	1.91	0.15	
Ash	1.44	1.16	1.59	1.89	
Gum and Cellulose...	0.49	0.50			

The American Cereal Co.,

AKRON, OHIO.



DRUGS AND CHEMICALS.

Prices include containers.

EUROPHEN-ARISTOL, 1-oz cartons	oz	\$1 80
A preparation consisting of equal parts of each medicament.		
EXALGIN	oz	1 40
EXTRACTS, Fluid (see page 260; solid, see page 266).		
EXTRACT, Beef (see Beef).		
Lemon	lb	75
Licorice, imported	lb	38
" domestic	lb	30
" powdered	lb	40
Logwood, 1s.	lb	13
Malt	1 pt., 60c.; gal	4 00
" fluid	1 pt., 50c.; gal	3 00
(See Combinations with, page 179).		
" "The Kepler" (see page 188).		
" Johan Hoff's (see page 214)	per doz	3 50
" Wampole's	per doz	2 00
" Wyeth's (see page 369)	per doz	3 00
Witch Hazel, distilled	pt., 25, gal	1 00
Vanilla	lb	1 60
FEBRILINE (see page 160), 1-pint bottles	each	1 00
FEBRICIDE PILLS (see page 14), small, doz \$4 00; large	doz	18 00
FENNEL SEED, powdered	lb	24
FLAX SEED, ground	lb	05
FLOWERS, see under name of Flowers wanted.		
FLUID EXTRACTS (see page 260).		
MALT (see Malt Fluid).		
Palmetto	lb	1 50
A modified fluid extract of the fresh berries of <i>Serenoa serrulata</i> (Saw Palmetto). Represents all the active medicinal constituents of the drug. Miscible with elixir, wine, syrup, glycerin or water.		
Palmetto, Compound	lb	1 00
Each fluidrachm represents 30 grains of Saw Palmetto combined with Couch Grass and Sandal-wood. This compound is a valuable diuretic and nutrient tonic and acts specifically upon the entire reproductive organs. It relieves irritation of tissues, improves digestion and gives prompt relief in retention of the urine. Its action upon the glands of the reproductive organs makes it of special therapeutical interest in the treatment of prostatic troubles, uterine atrophy, etc.		
Palmetto, with Hypophosphites (syrup), pint, 55.	gal	3 50
FÆNUGREEK, seed, powdered	lb	10
FOIL, Tin	lb	30
FOOD, Infants', Horlick's (see Index), large	doz	6 50
" " Malted Milk, small, doz \$4 50; large	doz	9 00
Infants', Schumacher's (see page 156), large	doz	6 00
" " small	doz	4 00
Lactated, Wells & Richardson Co. (see page 132), large	doz	8 00
" " " medium	doz	4 00
" " " small	doz	2 00
Soluble, Carnrick's, small (see page 170)	doz	4 00
" " large	doz	8 00
" " 5-lb tins	doz	36 00



IATROL....

A NEW AND IDEAL
ANTISEPTIC,
INODOROUS, ANAESTHETIC,
NON-IRRITATING, NON-TOXIC
AND A POWERFUL
CICATRIZANT.

.....SUPERIOR TO IODOFORM.

CHEMICAL PROPERTIES:—Iatrol, (from the Greek, meaning “to heal, to dress a wound,”) is an Oxy-Iodo-Methylo-Analide, obtained by the action of nascent Iodine upon one of the aniline group.

THERAPEUTIC PROPERTIES:—IATROL has been successfully used in fresh and lacerated wounds, indolent ulcers, and chancreoids, bed-sore, burns and in all cases where an aseptic and antiseptic dressing is indicated. It is particularly noted for its great healing powers, from the fact that it seems to heal from the base of a sore, and not merely forming a scab on the surface, allowing the suppuration to continue and then break out again.

If you would like to try Iatrol, please write for sample.

Sold in one-ounce, screw-cap bottles. only.

... PRICE \$1.00 PER OUNCE ...

CLINTON PHARMACEUTICAL CO.,

MANUFACTURING CHEMISTS,

SYRACUSE, N. Y.

Orders may be sent to CHAS. TRUAX, GREENE & Co.



DRUGS AND CHEMICALS.

		Prices include containers.
FOWLER'S SOLUTION	1b	\$0 20
FUCUS MARINA, ½-lb bottles	doz	8 00
FULLER'S EARTH, powdered	1b	10
GALLS, Aleppo, powdered	1b	30
GELATINE, Cooper's, sheet	1b	55
French, white	1b	60
GELSEMIN	oz	1 13
GENTIAN ROOT, ground	1b	12
" " powdered	1b	15
GERANIN	oz	38
GERANIUM ROOT, powdered	1b	25
GIN (see Wines and Liquors).		
GINGER (African), powdered	1b	18
Jamaica, bleached	1b	23
" powdered	1b	25
GLASS, Soluble (Silicate of Soda), solution	1b	20
GLAUBER SALTS (see Sal. Glauber)	1b	03
GLUCOSE, Syrupy	1b	20
GLUE, Brown	1b	18
White	1b	30
GLUTEN, Meal	1b	12
GLYCERINE, Pure, 1-pint bottles	1¼ lb	35
Pure, 1-qt bottles	2½ lbs	58
Pure, ½-gal jugs	5 lbs	1 05
Pure, 1-gal jugs	10 lbs	1 90
Pure, 50-lb cans	1b	17
Bower's, 1-lb bottles	1b	75
Price's, 1-lb bottles	1b	75
GLYCEROL.		
Boroglyceride, 50 per cent solution	1b	1 00
Calendula, 120 grains to the ounce	pint	1 10
Carbolic Acid, 10 per cent. or 33 per cent. See acids.		
Celery Compound	pint	65
Each fluidrachm represents		
Celery Seed	3 gr	
Catnip Herb	5 gr	
German Chamomile	3 gr	
Hydrastia (see F. E. Golden Seal, Aqueous).		
Pepsin (see Pepsin)	pint	70
Pepsin and Wafer Ash	pint	75
Each fluidrachm represents		
Wafer Ash	4 gr	
Combined with Liquid Pepsin Neutral.		
Tannic Acid	pint	1 10
Tar	pint	50
Yerba Santa Comp. (see Yerba Santa Cough Mixture).		



FEBRILINE

... OR ...

Tasteless Syrup of Amorphous Quinine (LYONS')

FOR INFANTS AND CHILDREN.

EACH TEASPOONFUL IS EQUAL TO 2 GRAINS OF SULPHATE OF QUININE.

Children take it and never know it is Medicine. Never produces Sick Stomach, and always produces the same result as the bitter quinine.

Drs. Duncan Eve and Chas. C. Thompson, of Nashville, Tenn., Say :
“‘Lyon’s Tasteless Preparations of Quinine’ are all that is claimed for them, and as palatable as sugar.”

Dr. S. N. Marshall, of Jeffersontown, Ky., says : “Children take it as if it was simple syrup, and its effect is just as satisfactory as the quinine itself. I will use it always for children and sensitive stomachs of adults.”

Dr. O. Morse of Aledo, Texas, says : “Children and infants take it without any trouble, and it is as effective as the sulphate of quinine in controlling malaria.”

Dr. A. Louis Jackson, of Airmount, Miss., says : “It is the only preparation of Tasteless Quinine that I find entirely satisfactory. I deem it invaluable for infants and children, and it is as efficient in its action in every way as the sulphate.”

Manufactured By

PARIS MEDICINE COMPANY,
Druggists and Chemists,
ST. LOUIS, MO.

FOR SALE BY ALL WHOLESALE DRUGGISTS

Physicians are Requested to Write to Us for Samples, Which Will be Sent Free by Mail.

PUT UP IN PINT BOTTLES. PRICE \$1.00 PER PINT.

The Trade Supplied by CHAS. TRUAX, GREENE & CO., at Our Prices.



DRUGS AND CHEMICALS.

Prices include containers.

GLYCOZONE, Marchand's (see page 164), 4-oz bottles...	each	\$0 80
Marchand's, 8-oz bottles.....	each	1 50
" 1-lb bottles.....	each	2 35
GLYCYRRHIZIN, Ammoniated.....	oz	30
GOA POWDER.....	oz	25
GOLD, Bromide, Mallinckrodt's , 15-grain vials.....	each	1 50
Chloride, 15-grain vials.....	each	50
And Sodium Chloride, $\frac{1}{8}$ -oz vials.....	each	85
" " " 15-grain vials.....	each	25
" " " C. P., $\frac{1}{8}$ -oz vials.....	each	1 85
True double salt for medicinal purposes.		
Oxide, 15-grain vials.....	each	95
GOLDEN SEAL, Root, powdered.....	lb	45
GRANULES, Dosimetric, see page		
GRANVILLE'S LOTION.....	lb	53
GUAIAC WOOD, rasped.....	lb	08
GUAIACOL.....	oz	87
GUAIACOL CARBONATE, 1-oz vials.....	oz	1 75
GUARANA, Powdered.....	lb	2 00
GUM, Aloes, Barbadoes.....	lb	30
" " powdered.....	lb	35
" Cape.....	lb	14
" " powdered.....	lb	20
" Socotrine.....	lb	50
" " powdered.....	lb	60
Ammoniac, Tears.....	lb	35
Arabic, 1st quality.....	lb	1 00
" 2nd ".....	lb	85
" 3rd ".....	lb	70
" powdered, select.....	lb	1 05
" granulated.....	lb	1 05
Asafoetida, select.....	lb	40
" powdered, in bottles, $\frac{1}{4}$ -lb 20.....	lb	50
Benzoin, marbled.....	lb	60
" powdered.....	lb	65
Camphor, refined.....	lb	55
" powdered.....	lb	70
Catechu, true.....	lb	15
" powdered.....	lb	30
Euphorbium, powdered.....	lb	40
Galbanum, strained.....	lb	3 50
Gamboge, powdered.....	lb	80
Guaiac, strained.....	lb	45
" powdered.....	lb	50
Hemlock.....	lb	60



PEACOCK'S BROMIDES

(SYR: BROM: COMP: PEACOCK.)

Each fluid drachm represents 15 grains of the Combined C. P. Bromides of Potassium, Sodium, Calcium, Ammonium and Lithium.

Uses: Epilepsy, Uterine Congestion, Headache, and all Congestive, Convulsive and Reflex Neuroses.

This preparation produces results which can not be obtained from the use of commercial Bromide substitutes.

DOSE.--One to two **FLUID** drachms, in **WATER**, 3 or more times a day.

CHIONIA FROM CHIONANTHUS.

Uses: Biliousness, Jaundice, Dyspepsia, Constipation, and all Diseases Caused by Hepatic Torpor.

CHIONIA stimulates the Liver and restores it to a healthy condition without debilitating the system by Catharsis; does not purge, per se, but under its use the Liver and Bowels gradually resume their normal functions.

DOSE.--One Fluid Drachm three times a day.

A Full Size ($\frac{1}{2}$ lb.) Bottle of each **FREE** to any Physician who will pay Express charges.

PEACOCK CHEMICAL CO.

ST. LOUIS, MO

Orders may be sent to CHAS. TRUAX, GREENE & Co.



DRUGS AND CHEMICALS.

Prices include containers.

GUM, Kino, true.....	lb	\$0 35
" powdered.....	lb	40
Mastic.....	lb	1 00
Myrrh, select.....	lb	45
" powdered.....	lb	50
Olibanum, Tears.....	lb	30
" powdered.....	lb	35
Opium, select.....	lb	3 50
" powdered, assayed, oz 35, ¼-lb \$1.25.....	lb	4 75
Sandarac.....	lb	40
Scammony, powdered.....	lb	9 50
Senegal.....	lb	40
Shellac.....	lb	30
" ground.....	lb	35
Storax, liquid.....	lb	40
Thus (Turpentine).....	lb	10
Tragacanth, flake.....	lb	60
" sorts.....	lb	40
" powdered.....	lb	90
GUN COTTON.....	oz	40
GUTTA PERCHA, Chips.....	lb	1 75
HÆMATIC HYPOPHOSPHITES (See Syrup Hyphosphites).		
HÆMOGALLOL, Merck's , 1-oz vials.....	oz	1 25
Reduction product of Hematin. Reddish-brown powder. Very absorbable. HÆMATIC (Chlorosis, Anemia, etc.), unusually well-borne, and very easily trans- formed into the blood-coloring matter by the organisms of debilitated individuals. Dose: 0.1-0.5 gramme (1½-7½ grs.) 3 times daily, ¼ hr. before meals, in wafers or tablets.		
HAMOGALLOL, Tablets (4 grains), in boxes of 100.....	per box	1 25
HÆMOL, Merck's , 1-oz vials.....	oz	1 75
Reduction product of Hematin. Blackish-brown powder. ACTION, Dose, etc., same as Hæmogallol.		
HÆMOL, Tablets (4 grains), in boxes of 100.....	per box	1 25
HAMAMELIS, Extract, distilled, pt. 25.....	gal	1 00
HAZELINE CREAM (In Collapsible Tubes, see page 188).		
HELONIAS CORDIAL (See Elix. Helonias Comp).		
HELONIN.....	oz	1 13
HELLEBORE, black, powdered.....	lb	30
white, powdered.....	lb	30
HEMATOXYLIN, ½-oz bottles.....	each	50
Solution (See Microscopic Material.)		
HEMLOCK BARK, powdered.....	lb	25
HENBANE, Leaf, powdered.....	lb	35
HIERA PICRA (Powdered Aloes and Canula).....	lb	40
HOM-ATROPINE HYDROBROMATE, Cryst., Merck's , 5-gr vials.....	each	1 75
White, non-hygroscopic leaflets. SOL.: in 10 W. Used chiefly as MYDRIATIC, being less irritating, less liable to produce systematic disturbance and less persistent than Atropine. APPLIC.: in 1 per cent solut.		



* **PEROXIDE** *
 OF
 +
 * **HYDROGEN** *

Strength.
STRICTLY PURE.

Stability.
NON-IRRITANT.

MANUFACTURED BY
A. PEUCHOT.

By a Special Process, for Medicinal and Surgical Purposes.

Peuchot's Peroxide of Hydrogen - - -

Has been recognized by the most eminent **Chemists, Physicians** and **Surgeons** as the **purest** and **most reliable** product on the market. Adopted in more than twenty Hospitals of New York, including **Bellevue Hospital.**

IMPORTANT NOTICE.

If the Ozone test is applied to A. Peuchot's Peroxide of Hydrogen, viz: Starch and Iodide of Potassium paper, it will show a blue re-action, much deeper than any similar preparation.

A. PEUCHOT,
Manufacturing Chemist,
112-114 Wooster St., - New York.

Orders may be sent to **CHAS. TRUAX, GREENE & CO.**

A. Peuchot

Wholesale Agents,
E. FOUGERA & CO.,
New York.

All original packages bear the signature of A. Peuchot.



DRUGS AND CHEMICALS.

Prices include containers.

HOFFMAN'S ANODYNE, $\frac{1}{4}$ -lb 20.....	lb	\$0 60
True, $\frac{1}{4}$ -lb 30.....	lb	1 00
HOMEOPATHIC, Discs.....	lb	40
Pellets, all sizes.....	lb	35
Tinctures, a full line, at lowest prices.		
Triturations, a full line, at lowest prices.		
HONEY, Strained, containers extra.....	lb	14
HOPS, New, bulk, lb \$0 40; pressed, $\frac{1}{4}$ s and $\frac{1}{2}$ s.....	lb	30
HORLICK'S FOOD AND MALTED MILK (see page 157).		
HYDRASTINE, White Alk., $\frac{1}{8}$ -oz. vials.....	each	1 00
Hydrochlorate, $\frac{1}{8}$ -oz vials.....	each	85
Liquid (fluid extract Hydrastis, colorless).....	lb	95
Sulphate, $\frac{1}{8}$ -oz vials.....	each	85
HYDRASTIN.....	oz	1 13
HYDRASTIA (Berberine Salt), Sulph. cryst., $\frac{1}{8}$ -oz vials.....	oz	2 80
“ “ Phosphate.....	oz	3 00
“ “ Muriate, $\frac{1}{8}$ -oz vials.....	each	25
HYDROGEN, Per-oxide, Mallinckrodt's	$\frac{1}{4}$ lb. 18, $\frac{1}{2}$ lb. 25, lb	40
Ernest Drevet's.....	$\frac{1}{4}$ lb. 20, $\frac{1}{2}$ lb. 30, lb	45
Marchand's.....	$\frac{1}{4}$ lb. 32, $\frac{1}{2}$ lb. 45, lb	65
Oakland.....	$\frac{1}{4}$ lb. 25, $\frac{1}{2}$ lb. 35, lb	60
Peuchot's.....	$\frac{1}{4}$ lb. 25, $\frac{1}{2}$ lb. 35, lb	45
HYOSCINE HYDROBROMATE, Cryst., Merck's , 5-gr vials.....	each	2 00

$C_{17}H_{23}NO_3.HBr.$ —SOL.: in W.; insol. in strong A. E. HYPNOTIC and SEDATIVE (Insanity, Chorea, Alcoholic Tremor, etc.); ANTAPHRODISIAC, ANTISIALAGOGUE, MYDRIATIC, etc. Little used externally. Dose: Hypn. (In insanity), 0.002 gramme (1-30 gr.); Sedat., 0.0004-0.0006 gramme (1-150 1-100 gr.). INJ.: Hypn., 0.0005-0.001 gramme (1-120 1-60 gr.); sedat., 0.0002-0.0003 gramme (1-300 1-200 gr.) ANTIDOTES: See Atropine.

HYOSCYAMINE HYDROBROMATE, 5-gr vials.....	each	75
HYDRANGAEA COMPOUND, Lithiated (see Elixirs).		
HYDRANGAEA ROOT, Powdered.....	lb	30
HYDROLEINE (Hydrated Oil), (see page 248).....	per doz	8 00
HYPNAL.....	oz	1 15

According to the researches of the chemists Choay and Behal, Antipyrine is capable of forming several compounds with chloral, one of which has been found to possess valuable hypnotic properties and named Hypnal. It occurs in the form of rhombic crystals, free from color and tasteless: at 50°–80° they melt. Water takes up from 1.6–1.5 of its volume.

Literature on application. See advertisement.

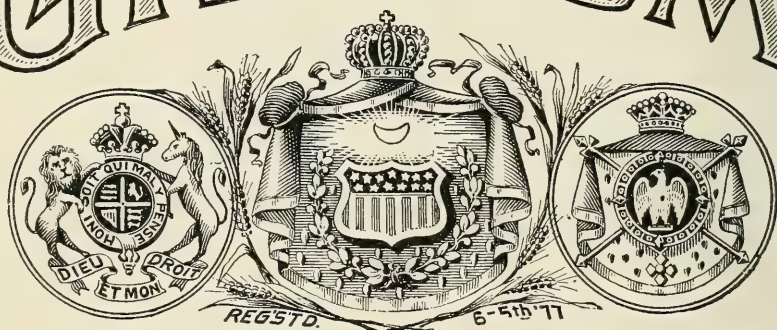
HYPNO, Bromic Compound, Wampole's (see page 220).....	$\frac{1}{4}$ -lb bots., doz	7 00
IATROL.....	per oz	1 00
ICHTHYOL (AMMONIUM SULPHO-ICHTHYOLATE, Merck's	oz	45
“ “ “.....	$\frac{1}{4}$ lb., \$1.50; $\frac{1}{2}$ lb., \$2.95; lb	5 75

$C_{28}H_{36}S_3O_6(NH_4)_2$.—Thick, brownish liquid, containing 15 per cent. of easily assimilable Sulphur; sp. gr., 1.106. SOL.: in W., mixture of A. and E., Gl.; only partly sol. in pure A. or pure E.; freely miscible with Oils. ANTIPHLLOGISTIC, ANODYNE, ALTERATIVE, etc. (Cutaneous Affections, Rheumatism, Scrofula, Inflammatory Diseases of Women, etc.). APPLIC.: in 5-50 per cent. oint., solut., etc. Dose: 0.2-0.6 gramme (3-10 m) 3 times daily, well diluted, or in pills or capsules.

HAS **TRUAX & GREENE** *& CO.*

★ THE GREAT MEDICINAL FOOD ★

IMPERIAL GRANUM



PURE, DELICIOUS,
NOURISHING

IMPROVED

FOR NURSING MOTHERS, INFANTS AND

CHILDREN

FOR **INVALIDS** AND


CONVALESCENTS,

FOR DYSPEPTIC, DELICATE, INFIRM AND

AGED PERSONS

AN UNRIVALLED FOOD IN THE

SICK-ROOM

SOLD BY DRUGGISTS.  SHIPPING DEPOT ———
JOHN CARLE & SONS, NEW YORK



DRUGS AND CHEMICALS.

Prices include containers.

IMPERIAL GRANUM (see page 166), large.....	doz	\$10 50
Small.....	doz	6 25
INDIGO, Madras.....	lb	85
Manilla.....	lb	75
INSECT POWDER, 1-lb cartons.....	lb	30
IODINE, Resublimed, Mallinckrodt's	oz	40
Bromide.....	oz	85
“ Solution, 15 per cent.....	oz	35
Chloride.....	oz	80
Tincture, oz. 15, ¼-lb 32.....	lb	90
IODOFORM, Powdered, Mallinckrodt's , oz 44, ¼-lb 1 35.....	lb	4 89
Cryst., oz 44, ¼-lb 1 35.....	lb	4 89
IODOLE (Tetra-iodo-pyrrole), Merck's , 1-oz. g. s. v.....	oz	1 25
C ₁₄ H ₁₀ NH ₂ —Grayish-brown, inodorous powder, consisting of 88.97 per cent Iodine. Sol. in 3 A., 1. E., 5,000 W., 15 Oil Nontoxic Succedaneum for Iodoform. Very attenuable from its lightness and fineness. APPLIC.: like Iodoform. DOSE: 0.5-1.5-3 (!) grammes (7½-23-45 (!) grs.) daily.		
IODOPYRINE.....	oz	1 40
Iodopyrine consists of Antipyrine in which one atom of hydrogen is placed as an atom of iodine. It occurs in lustrous colorless prismatic needles, taken up only with difficulty by cold water and alcohol, but more abundantly by these solvents at higher temperatures. It has neither taste nor peculiar odor. Indicated principally in two types of fever, namely:— (1) Typhus Abdominalis, and (2) Pulmonary Tuberculosis.		
Literature on application. See advertisement.		
INDIAN TURNIP, Powdered....	lb	35
IPECAC, Root, powdered.....	lb	2 40
IRISIN.....	oz	45
IRON, Acetate, dry.....	oz	29
“ liquor.....	lb	44
“ tincture.....	lb	65
“ Radinmacher's.....	lb	80
Arsenate.....	oz	24
Arsenite.....	oz	24
Benzoate.....	oz	44
Bromide, Mallinckrodt's	oz	20
By Hydrogen, gray, oz 12.....	lb	93
Carbonate, Precip.....	lb	20
“ Proto (Vallet's Mass), Mallinckrodt's , in jars.....	lb	45
“ (Saccharated), in bottles.....	lb	60
Chloride, Crystals.....	oz	13
“ Solution, for tincture.....	pint	30
“ Tincture.....	lb	40
“ Proto.....	oz	20
Citrate, U. S. P., oz 12.....	lb	82
“ Soluble, Mallinckrodt's , oz 13.....	lb	78
“ and Ammonium, oz 13.....	lb	78
“ and Quinine, Sol., oz 22.....	lb	2 20
“ “ “ with Strychnine, oz 25.....	lb	2 70
“ “ Strychnine, oz 21.....	lb	1 70
Citro-Chloride Tincture.....	lb	65



In Re O. G. PEROXIDE OF HYDROGEN



DOCTOR:—You have doubtless used Peroxide of Hydrogen in your practice. You liked it, but there were serious drawbacks. IT WAS TOO ACID. IT WAS NOT STABLE. IT WAS FULL OF IMPURITIES. You got good results from one sample, and no results or injurious results from another.

We can help you out of the difficulty by giving you a PERFECT AND FINISHED PRODUCT, devoid of acids and impurities, stable and uniform in strength, and will keep *in your office*, without the aid of *ice* or wired-down corks.

Purity is absolutely imperative in Peroxide of Hydrogen. Impurities cause chemical changes to take place in the solution, giving rise to new compounds which are dangerous and are the cause of the troubles you have experienced.

A finished product of Peroxide of Hydrogen is absolutely harmless.

We will send samples and Monograph, also full instructions for testing, if you wish them, on application.

OAKLAND CHEMICAL CO.,

89 and 91 South 5th Avenue,

NEW YORK.

Orders filled by CHAS. TRUAX, GREENE & CO.



DRUGS AND CHEMICALS.

Prices include containers.

IRON, Ferrocyanide, bottle, oz 1lc.....	1b	\$0.69
" cartons	1b	59
Filings, bulk.....	1b	10
Hydrated Oxide, mass, bottle.....	1b	44
" " dry, " 	1b	79
Hypophosphite, bottles.....	oz	26
Iodide, Mallinckrodt's , bottle.....	oz	40
" Syrup (see Syrups.)		
" Saccharated, bottle.....	oz	47
Lactate, bottle.....	oz	12
Lactophosphate, bottle.....	oz	34
Nitrate Solution, U. S. P. (Pernitrate), bottle.....	1b	40
Oxalate, bottle.....	oz	19
Oxide, Saccharated, bottle.....	1b	65
(Ferr. Oxyd. Sacchr. Solubile, Ph. Germ.)		
" Black (Ethiop's Martial), bottle.....	1b	49
Pernitrate (See Nitrate Iron Solution.)		
Phosphate, Precip., in bottles.....	1b	60
" " in cartons.....	1b	50
" Scales, U. S. P., in bottle, oz 12.....	1b	84
Pyrophosphate, U. S. P., in bottles, oz 12.....	1b	78
Reduced (See Iron by Hydrogen.)		
Salicylate, in bottles	oz	39
Subsulphate (Monsel's Powder) in bottles, oz 9.....	1b	52
" in cartons.....	1b	45
" solution, Monsel's, in bottles.....	1b	37
Succinate Hydrated, in bottles.....	oz	54
Sulphate. (Copperas)	1b	02
" Granulated, Mallinckrodt's , in bottles.....	1b	25
" Dried, pure, in cartons	1b	18
Sulphocarbolate.....	oz	14
Sulphuret	1b	24
Tannate.....	oz	29
Tersulphate, Solution.....	1b	34
Valerianate.....	oz	29
with Ammonia Protosulphate.....	1b	23
" Ammonium, Tartrate, oz 12.....	1b	72
" Potassium Tartrate, Scales, oz 12.....	1b	65
IRRITATING PLASTER. (See Plasters.)		
JABORANDI, Leaves, powdered, $\frac{1}{4}$ lb 15.....	1b	50
JAMBUL SEED, powdered, in oz vials.....	per oz	30
JEQUIRITY SEED.....	per oz	15
Powdered, in oz bots.....	per oz	20
JALAPIN (resinoid).....	oz	45
JUGLANDIN (resinoid).....	oz	45
JUNIPER BERRIES.....	1b	10
Powdered, $\frac{1}{4}$ lb 08.....	1b	20



There are Only Two Prepared Foods that will
Nourish a Child as Perfectly as Human Milk. *They are*

GARNRICK'S LACTO-PREPARATA AND SOLUBLE FOOD.



The former is an all-milk Food, closely resembling human milk in **character, composition and taste**, and designed for infants from birth to seven months of age, and the latter is composed of equal parts of **Lacto-Preparata** and **Dextrinated Wheat**, and designed for the remainder of the nursing period and for Invalids.

We make the statement at the head of this page with a knowledge of the general opinion of the **Profession** in reference to **artificial feeding**, and a full appreciation of what our statement implies. It is based on personal observation and actual test in hundreds of cases, and we hope that no **Physician** will doubt this statement without verifying it by making a trial of our Infant Foods as now put up in **hermetically sealed cans**.

Samples will be furnished gratuitously if you desire to make a comparative test.

*KUMYSGEN.



Kumysgen is especially valuable as a nourishment for Invalids and persons suffering from Wasting Diseases, Consumption, Diabetes, Bright's Disease, Dyspepsia, Catarrh of the Stomach and Bowels, Cholera Infantum, and all irritable conditions of the stomach, such as Persistent Vomiting, Gastritis, Cancer and Ulceration of the Stomach, &c. It is the consummation of all practical and experimental ideas in the production of a perfect food for invalids and the sick. Until **Kumysgen** was produced, no food for the above purposes had been presented in any part of the world but

what contained one or more objections.

Kumysgen is highly nutritious, readily digested, extremely palatable, and inexpensive. A full 20 ounce Siphon bottle will be sent to any Physician, charges prepaid, on receipt of 75 cents, which is about one-half of its retail price.

Kumysgen is now put up only in 20 ounce and Five pound bottles. Each of the 20 oz. bottles is a siphon bottle in which Kumysgen may be prepared.

*Kumysgen, when first prepared, was not relished by some patients, but, as *improved*, commencing with batch 200, it will please the most delicate palate.

Orders may be sent to

CHAS. TRUAX, GREENE & CO.

REED & CARNRICK, New York.



LAVOLINE

LAVOLINUM FLUIDUM.

The Ideal Base for the Topical Application of Medicaments. Mild, Bland and Non-irritating.

COLORLESS, ODORLESS AND TASTELESS.

As a basis for the medication of mucous membranes, especially those of the air passages, **Lavoline** serves the purpose better than anything heretofore offered. **Lavoline**, though chemically neutral, is basic in its character, and therefore soothing instead of irritating to sensitive surfaces.

Lavoline is a product of Petroleum, and is so light and limpid a fluid as to place it at the very front as a vehicle for the application of medicaments by means of the atomizer or spray, and for this purpose it requires **no heating**.

Its use, though at first confined almost entirely to a few prominent specialists, is now employed by the general practitioner in every state in the union. **Lavoline** has found favor more especially as a healing and protective application to the mucous membrane of the nose and throat.

PRICE PER PINT.....	\$0 40
" " 5 PINTS.....	1 75

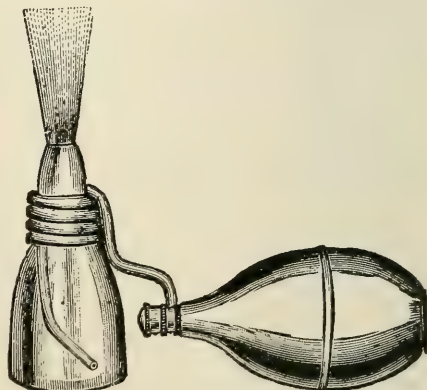
LAVOLINE ATOMIZER.

For Atomizing

Pure Lavoline Ointments.

For the treatment of Nasal Catarrh,
Hay Fever, Asthma, Bronchitis, and
other diseases of the respiratory organs.

Price, - - \$0.75



CHAS. TRUAX, GREENE & CO.,

Makers of . . . **SURGICAL**
Superior **INSTRUMENTS,**

See List of Formulæ
For Lavoline Spray Solutions.

75-77 Wabash Avenue, CHICAGO.



DRUGS AND CHEMICALS.

LAVOLINE, Spray Solutions.

NO. 3. PER PINT, 60C.

Beechwood Creosote.....4 parts.
Lavoline.....96 "

Used as an antiseptic in ulcerated conditions.

NO. 4. PER PINT, 85C.

Eucalyptol.....4 parts.
Lavoline.....96 "

Used as an antiseptic and to check profuse secretions.

NO. 5. PER PINT, 60C.

Menthol.....2 parts.
Lavoline.....98 "

Excellent in chronic catarrh to produce local anæsthesia and to relieve turgescence of the turbinated bodies.

NO. 6. PER PINT, \$1.00.

Cocaine Camphenate.....10 parts.
Ol. Gaulther.....2 "
Lavoline.....988 "

A local analgesic, useful in irritated conditions of the mucous membrane, hay fever, etc.

NO. 8. PER PINT, 85C.

Eucalyptol.....30 parts.
Terebene.....30 "
Menthol.....4 "
Lavoline.....936 "

Excellent to allay irritation and irritability of the bronchial mucous membrane; useful in chronic bronchitis.

NO. 9. PER PINT, 75C.

Salol.....30 parts.
Menthol.....4 "
Lavoline.....966 "

Allays irritation in acute pharyngeal affections, especially Follicular Pharyngitis.

Lavoline Infusions 20 per cent. \$1 00. The following are those which have found favor in the treatment of mucous membrane affections; Calendula (Fls.) Hydrastis, Can. Geranium Mac. Pinus Strobis (Bark), Hamamelis (Lvs.) See Spray solutions, 12 and 13.

NO. 10. PER PINT, 90C.

Eucalyptol.....30 parts.
Carbolic Acid.10 "
Menthol.....4 "
Oleate of Aconitine 2 per cent..2 "
Ol. Sassafras.....10 "
Lavoline.....944 "

Excellent in both Acute and Chronic affections of the respiratory passages and as an antiseptic.

NO. 11. PER PINT, 50C.

Formula of Dr. W. E. Casselberry,
Chicago.

Ol. Eucalypti.....1 part.
Thymol.....1 "
Menthol.....½ "
Ol. Gaulth.....½ "
Lavoline, to make.....1000 "

Useful in sub-acute or chronic rhinitis to check profuse secretion and relieve turgescence of the turbinated bodies.

NO. 12. PER PINT, \$1.00.

Calendula (Fls).....5 parts.
Hamamelis (Lvs).....5 "
Lavoline, to make.....100 "

Prepared direct from the drugs by percolation.

Sedative, antiseptic and astringent to the inflamed mucous membranes of the nose and pharynx.

NO. 13. PER PINT, \$1.00.

Calendula (Fls).....4 parts.
Hamamelis (Lvs).....8 "
Pinus strob.....8 "
Lavoline, to make100 "

Prepared direct from the drugs by percolation.

An excellent sedative, tonic, astringent and corrective to inflamed mucous membranes.

NO. 14. CAMENTHOL WITH LAVOLINE.

As suggested by Dr. S. S. Bishop,
Chicago.

Camenthol, 3 per cent....per pint \$0 60
" 10 " 80
" 20 " 1 00

The 3 per cent. solution will be supplied on all orders where strength is not specified.



12 Indications FOR THE USE OF Wine of Coca

1. Weak conditions of the generative system
2. Sick headache, neuralgia, nervous dyspepsia
3. Opium, alcohol, tobacco or chloral habit
4. To increase the power of the mind
5. To strengthen those past middle life
6. Neurasthenia, and irritable nervous system
7. Exhaustive conditions of the nervous system
8. Depression of spirits, melancholia, hysteria
9. Muscular weakness and general debility
10. As a tonic to the voice, invaluable to speakers
11. In convalescence from exhausting diseases
12. Loss of appetite, and gastro-intestinal catarrh

Why Prescribe RESTORATIVE Wine of Coca

"The proportion of Alkaloids is invariable—two grains to the pint. It can therefore be prescribed with the certainty of obtaining uniform results—the active principle of the Coca leaves contained in the Wines of Coca on the market vary from nothing to $\frac{3}{4}$ of a grain. **Restorative Wine of Coca is a standard preparation.**"

It is absolutely free from all those foreign substances present in all other Wines of Coca and which interfere with their curative influence. We will send a bottle free.

An Antipyretic that does not depress the heart

Hence especially useful in

Relieves pain promptly, especially headache
Reduces fever quickly and safely
A restorative of the highest order
An anodyne of great curative power

{	La Grippe	Neuralgia
	Pleurisy	Sciatica
	Pneumonia	Headache
	Dysentery	Malaria
	Rheumatism	Influenza

Febricide Pills

are made without excipient
are only slightly coated
are very quickly dissolved
uniform dose—one pill

"It looks as if the long-felt want of a remedy for Influenza has been found in the Febricide Pills."

A box of them will be sent free.

COLUMBIA CHEMICAL CO.

90 South Fifth Avenue, NEW YORK



DRUGS AND CHEMICALS.

Prices include containers.

LEAD, Acetate, white, bulk.....	lb	\$0	20
" white, powdered, bulk.....	lb		29
" purified, granular, bulk.....	lb		29
Benzoate.....	oz		44
Carbonate.....	lb		10
Carbonate, neutral, C. P., 1-lb bots.....	each		99
Chloride, 1-oz vials.....	oz		17
Iodide, Mallinckrodt's , 1-oz vials.....	oz		36
Nitrate.....	lb		17
" chemically pure.....	lb		50
Oxide, com'l, bulk.....	lb		10
" chemically pure.....	lb	1	10
Sub Acetate, sol.....	lb		25
Tannate, 1-oz vials.....	oz		34
LEAVES (see under name of drug wanted).			
LEECHES , Swedish.....	doz		85
LEMON, EXTRACT OF (see Spirit of Lemon).			
LICORICE ROOT , select.....	lb		20
powdered.....	lb		16
Russian, cut.....	lb		25
" powdered.....	lb		30
Extract, powdered.....	lb		40
" imported (in sticks).....	lb		38
" domestic " 	lb		30
LIME (see Calcium).			
Chloride (Chlorinated Lime), 1-lb boxes.....	lb		12
" " " ¼-lb " 	lb		15
LIME JUICE AND PEPSIN (T. G. & Co's.), pt. 75, 5-pt. \$3.25.....	gal		5 00
LIME WATER , 1-pt. bottles.....	per pint		20
LINIMENT, Aconite and Chloroform	1-pt bots. each.	\$0 60	5-pt bots. each.
Composed of Tincture of Aconite, Chloro- form and Soap Liniment.			Gal. bots each.
Ammonia, U. S. P., (Volatile Liniment).....	25	1 00	1 50
Belladonna, U. S. P.....	1 20		
Camphor, U. S. P.....	40	1 50	2 25
Camphor Compound, Br.....	65	2 60	4 00
Composed of Camphor, Oil of Lavender, strong water of Ammonia, and Rec- tified Spirit.			
Chloroform, U. S. P.....	65	2 60	4 00
Croton Oil, Br.....	1 00	4 50	7 00
Iodide of Ammonia.....	60	2 40	3 75
Composed of Iodide of Ammonia, Camphor, Ol. Rosemary, Ol. Lavender and Alcohol.			
Iodine, N. F.....	1 50		
Lead, Sub-acetate, U. S. P.....	35	1 25	1 90
Lime, U. S. P.....	25	1 00	1 50
This Liniment is also called Carron Oil, deriving this name from the Carron Iron Works, Scotland, where it was extensively used for burns.			



EMERSON'S BROMO-SALTZER...

(Granular Effervescent.)

The Ideal Saline, Sedative, Aperient.

Regulates the Disordered Stomach, corrects the Bowels, and quiets the nervous system, thereby relieving all kinds of Headaches and Nervousness without the aid of heart-depressing remedies.

Contains no Antipyrine, no Morphine, no Cocaine.

PLEASANT, PROMPT, SAFE.

*
* *
*

DIRECTIONS—A heaping teaspoonful in half a glass of water; repeat in 20 minutes if not relieved. Price—(2½ oz. bottles)—25 cents.

A FULL-SIZED BOTTLE SENT TO PHYSICIANS UPON APPLICATION.

EMERSON DRUG COMPANY

SOLE PROPRIETORS,

BALTIMORE, MD.

OFFICE OF NORRIS M. CARTER, M. D.

OFFICE HOURS:

8 to 9 A. M.

4 to 6 P. M.

7 to 9 P. M.

405 GRAND AVE.

Brooklyn, N. Y., Nov. 21st, 1892.

I consider Bromo-Saltzer an excellent remedy in Nervous Headache, and often advise its use.

N. M. Carter.

Orders may be sent to CHAS. TRUAX, GREENE & Co.



DRUGS AND CHEMICALS.

Prices include containers.		1-pt. bots. each.	5-pt. bots. each.	Gal. bots. each.
LINIMENT, Rheumatic.....	Composed of Ol. Origanum, Aconite, Opium, Chloroform and Soap Liniment.	\$0 75	\$3 25	\$5 00
Mustard Compound, U. S. P.....		1 00		
Soap, U. S. P.....		60	2 40	3 60
Stillingia Compound, A. D.....	Composed of Ol. Stillingia, Ol. Cajaput, Ol. Lobelia and Alcohol.	3 50		
Turpentine, U. S. P.....		40	1 50	2 25
LITHARGE.....				lb 10
LITHIUM, Acetate.....				oz 64
Benzoate, Mallinckrodt's , 1-oz vials.....				oz 26
Bromide, 1-oz vials.....				oz 29
Carbonate, 1-oz vials.....				oz 26
Chloride.....				oz 44
Citrate, 1-oz vials.....				oz 26
Iodide, 1-oz vials.....				oz 52
Nitrate, 1-oz vials.....				oz 44
Salicylate, 1-oz vials.....				oz 27
LITMUS PAPER (in books), blue or red.....				each 10
“ “ Blue or red (in sheets).....				each 05
LOGWOOD, Extract, 1s.....				lb 13
LOBELIA, Herb, powd.....				lb 30
“ Seed, powd.....				lb 40
LONDONDERRY LITHIA WATER, see Waters.				
LOSOPHAN, 1-oz cartons.....				oz 1 80
Losophan is a new remedy (<i>tri-iodocresol</i>), especially indicated in herpes tonsurans, or ringworm, scabies, mycosis, pityriasis versicolor, acne, the parasitical dermatoses, and for pediculi. It should be tested in the various fungoid conditions.				
LOZENGES, Mulford's (see list, page 312).				
Colt's-foot, Patch's (see page 298).				
Wyeth's, full assortment.				
LUNAR CAUSTIC, Pure, Mallinckrodt's				oz 71
LUPULIN.....				lb 1 25
LYCOPodium.....				lb 65
MACE.....				lb 85
Powd.....				lb 90
MADDER, Dutch.....				lb 20
MAGNESIUM, Benzoate, 1-oz vials.....				oz 42
Boro Citrate, 1-oz vials.....				oz 18
Bromide, 1-oz vials.....				oz 42
Calcined, 1-lb cans.....				lb 65
Carbonate, 1-oz.....				lb 24
Carbonate, 2-oz.....				lb 22
Carbonate, 4-oz.....				lb 20
Chloride, fused.....				lb 60



ERGOTOLE S. & D.

Physicians Prefer it and Prescribe it, because it is the most Palatable, Permanent Preparation of Spanish Ergot on the market, being **two and one-half times as strong as the Fluid Extract.** Its Dose is Smaller.

No nausea by the mouth. Dose, 5 to 30 min.

No abscess hypodermically. Dose, 5 to 20 min.

LAPACTIC PILLS, PAN-PEPTIC TABLETS,
PAN-PEPTIC ELIXIR.

WEBBER-PEPSIN S. & D.

STANDARD, 1 to 6,000.

PERFECTLY SOLUBLE, INODOROUS, PERMANENT.

Purity and digestive power considered, it is the **cheapest Pepsin** ever offered to the profession or trade.

Samples and Price List upon application to

SHARP & DOHME,

(Established 1860.)

MANUFACTURING CHEMISTS,

MANUFACTURERS OF

STANDARD MEDICINAL FLUID EXTRACTS,

Soluble Sugar and Gelatin-Coated Pills,

SOLUBLE HYPODERMIC TABLETS,

Tablet Triturates, Etc., Etc.

BALTIMORE.

NEW YORK.

CHICAGO.



POCKET MEDICINE CASES FOR TABLETS.

THESE cases are manufactured from the finest quality of morocco, the flaps are lined with silk, and they are so soft and flexible as to conform to the shape of the pocket or body, while the sides are of sufficient thickness to properly protect the bottles. They are similar to those described on page 945.

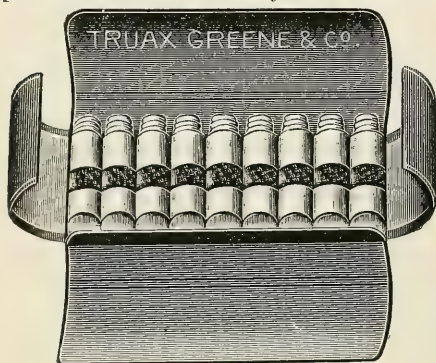


Fig. 1633.

Pocket Medicine Case for Tablets,
\$2.50.

This case contains 9 four-drachm vials, each with screw cap for tablets.



Fig. 1621.

Pocket Medicine Case for Tablets,
\$2.25.

This case contains 12 two-drachm vials, each with metal screw cap for tablets.

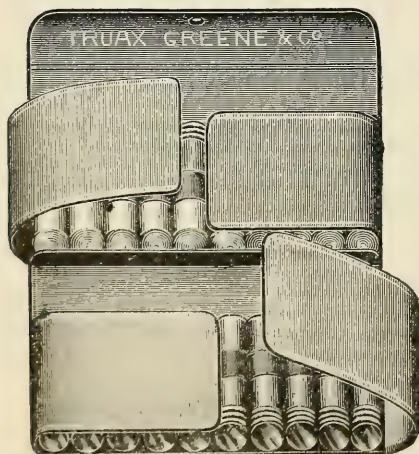


Fig. 1643.

Pocket Medicine Case for Tablets,
\$3.00.

This case contains 20 three-drachm vials, each with screw cap for tablets.

In addition to the four styles here shown we are prepared to manufacture special sizes to order.

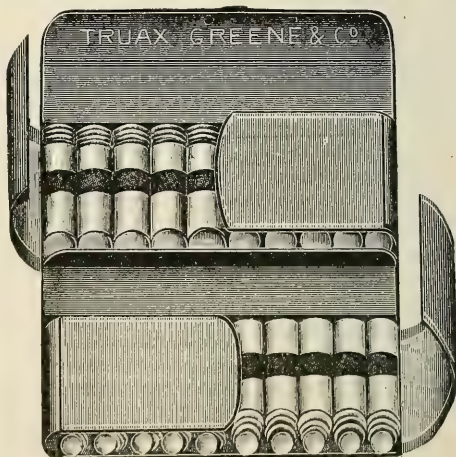


Fig. 1646.

Pocket Medicine Case for Tablets
and liquids, \$3.00.

This case contains 10 three-drachm vials, each with screw cap for tablets, and 10 three-drachm vials with cork stoppers for liquids or powders.



DRUGS AND CHEMICALS.

disturbances of the stomach and bowels, and in chronic diseases resulting from an impaired condition of the digestive functions.

This preparation is especially adapted to the treatment of dyspepsia, the chief cause of which is the indigestion of amylaceous and nitrogenous food.

Diastase, the active principle of Fluid Malt, acts in the same manner as ptyalin of the saliva, to digest starch, hence is the proper solvent for starchy food, and combined with Pepsin, supplies to the dyspeptic stomach essential elements, the deficiency of which causes indigestion.

Prices include containers. 1-pt bots. 5-pt bots. Gal. bots.

MALT FLUID, Pepsin and Bismuth..... \$0 80 \$3 50 \$5 25

Each fluidounce contains 8 grains of Am.

Citrate of Bismuth combined with
Fluid Malt and Pepsin.

Fluid Malt, Pepsin, Bismuth and Strychnine..... 80 3 50 5 25

Containing 8 grains Am. Citrate of Bismuth and 1-32 grain Sul. Strychnine to each fluidounce of Fluid Malt and Pepsin.

Fluid Malt, Pepsin and Calisaya..... 70 3 00 4 50

Containing 40 grains Calisaya Bark to each fluidounce of Fluid Malt and Pepsin.

The preparations of Cinchona are much used as stomachic tonics. In atonic dyspepsia they are employed like the simple bitters, to promote the flow of gastric juice. In gastric catarrh they relieve the morbid state of the mucous membrane, on which the increased productions of mucus depends. For these purposes no remedy is more generally useful than the Fluid Malt with Pepsin combined with Calisaya.

Fluid Malt, Pepsin, Calisaya, Iron and Bismuth... 75 3 25 4 75

Containing 40 grains of Calisaya Bark, 8 grains of Pyrophosphate of Iron, 4 grains of Am. Citrate of Bismuth to each fluidounce of Fluid Malt and Pepsin.

Fluid Malt, Pepsin, Iron, Quinine and Strychnine 80 3 50 5 25

Containing 8 grains of Citrate of Iron and Quinine, 1-32 grain of Strychnine to each fluidounce of Fluid Malt and Pepsin.

The use of Quinine as a restorative tonic in cases of debility is almost universal. Its utility is due, not to any direct action on the blood, but to its stimulant effects on the digestive functions. Iron increases the power of Quinine to promote construction of tissue and retard waste. Strychnine is used with reference to its power to stimulate the blood-making organs, which functionate under some special influence proceeding from the nervous system. Fluid Malt with Pepsin is a serviceable remedy in the various forms of dyspepsia and in chronic diseases resulting from an impaired condition of the digestive organs.

Fluid Malt, Pepsin and Pancreatin (Liquor Digestivus)... 80 3 50 5 25

Containing 8 grains of pure Pancreatin to each fluidounce of Fluid Malt and Pepsin.

This preparation has the property of converting amyloids, fats and proteids, into soluble and diffusible substances, therefore naturally adapted to the treatment of such diseases as are more or less maintained by the imperfect digestion of food, including anæmia, chlorosis, atrophy and allied states, also during convalescence from acute diseases.

MALTED BEEF, Thompson's (see page 180).....per doz

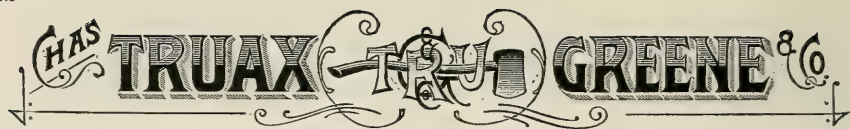
" Hop Tonic (see page 180).....per doz

" MILK, Horlick's, (see page 30 and Foods, page 157).

MANDRAKE, root, powdered.....lb \$0 20

MANGANESE, Black Oxide, 1-lb carton.....lb 10

Borate, 1-lb bottles.....lb 74



MARSHMALLOW CREAM

THE PERFECT....



NERVE
BLOOD
AND TISSUE **Builder**

Thinking and progressive Physicians are using Marshmallow Cream
in their practice.

The great number of letters of praise from men well-known in private and hospital practice prove this.

They agree with us that our Emulsion is a perfect one, without any of the usual suggestive name or fishy odor or taste of the ordinary Cod Liver Oil, Emulsion.

Our preparation is as bland and palatable as sweet cream, always well received and assimilated by the most delicate stomach of ill-nourished women or children, while its use can be long continued without nausea or disgust to the patient.

One well-known physician writes us: "I would urge that you make prominent its usefulness as a nerve and general tonic in all conditions of depressed vitality, or in convalescence after fevers or any acute disorders beside those of the lungs, in which oils or emulsions are most used."

If you have a case where you would like to try our Emulsion, please send to us for a bottle, which we will deliver to you free.

The Diamond Laboratory Co.,
NAUGATUCK, CONN.

Orders may be sent to CHAS. TRUAX, GREENE & Co.



DRUGS AND CHEMICALS.

Prices include containers.

MANGANESE, Bromide, Mallinckrodt's , 1-oz vials.....	oz	\$0 62
Carbonate, 1-oz vials.....	oz	32
Chloride, 1-oz vials.....	oz	14
Citrate, 1-oz vials.....	oz	44
Hypophosphite, 1-oz vials.....	oz	31
Iodide, Mallinckrodt's , 1-oz vials.....	oz	82
Phosphate, 1-oz vials.....	oz	34
Sulphate, 1-oz vials.....	oz	13
Sulphate, 1-lb bottles.....	lb	69
MANITOU TABLE WATER, see page 240.		
• Ginger Champagne, see page 240.		
MANNA, large flake.....	lb	1 40
small flake.....	lb	70
MANNIT, pure.....	lb	2 00
MATICO, leaf, powdered.....	lb	45
MARSHMALLOW CREAM, (see page 182).....	doz	8 00
MARSHMALLOW, root, cut.....	lb	30
“ powdered.....	lb	35
MECONIN, $\frac{1}{8}$ -oz vials.....	each	2 60
MENTHOL, pure, cryst.....	oz	44
MERCURY, Distilled.....	lb	80
Acetate, 1-oz vials.....	oz	38
Ammoniated (white precip.) 1-lb bottle.....	lb	1 13
Bi-chloride (Corrosive Sublimate) Powd. \$1 00.....	lb	96
Bisulphate, 1-oz vials.....	oz	13
Bisulphate, 1-lb bottles.....	lb	68
Bisulphuret (Cinnabar).....	lb	1 65
Bromide, 1-oz vials.....	oz	41
Chloride (Calomel).....	lb	95
Cyanide, 1-oz vials.....	oz	29
Iodide, green, Mallinckrodt's , 1-oz vials.....	oz	28
Iodide, red, 1-oz vials.....	oz	31
Iodide, yellow, 1-oz vials.....	oz	29
Nitrate, proto., 1-oz vials.....	oz	28
Nitrate, solution, 1-oz vials.....	oz	22
Oxide, black, 1-oz vials.....	oz	18
Oxide, yellow, 1-oz vials.....	oz	18
Salicylate, 1-oz vials.....	oz	49
Subsulphate, 1-oz vials.....	oz	15
Subsulphate, 1-lb bottles.....	lb	1 08
Sulpho-Cyanide, 1-oz vials.....	oz	29
Sulphuret, black, 1-lb bottle.....	lb	78
Tannate, 1-oz vials.....	oz	38
With chalk, 1-lb bottles.....	lb	49
With Magnesia, 1-lb bottles.....	lb	1 12
MERCURIAL OINTMENT, $\frac{1}{2}$ Mercury, 1-lb jars.....	lb	70
$\frac{1}{8}$ “ “ “.....	lb	60



CELERINA.

NERVE TONIC, STIMULANT AND ANTISPASMODIC.

FORMULA.—Every Fluid Drachm represents FIVE grains EACH—Celery, Coca, Kola, Viburnum and Aromatics.

INDICATIONS.—Loss of Nerve Power (so usual with Lawyers, Preachers, Writers and Business Men), Impotency, Spermatorrhea, Nervous Headache, Neuralgia, Paralysis, Hysteria, Opium Habit, Inebriety Dyspepsia and all LAQUID conditions of the System.

Indispensable to restore a patient after alcoholic excess.

DOSE.—One or two teaspoonfuls three or more times a day, as directed by the Physician.

ALETRIS CORDIAL.

UTERINE TONIC AND RESTORATIVE.

PREPARED FROM THE ALETRIS FARINOSA OR TRUE UNICORN.

INDICATIONS.—Amenorrhea, Dysmenorrhea, Leucorrhea, Prolapsus Uteri, Sterility, to PREVENT Miscarriage, Etc.

DOSE.—One teaspoonful three or four times a day.

Unrivalled as a Uterine Tonic in Irregular, Painful, Suppressed and Excessive Menstruation.

It Restores Normal Action to the Uterus and Imparts Vigor to the Entire Uterine System. Where Women have miscarried during previous pregnancies, or in any case where miscarriage is feared, ALETRIS CORDIAL is indicated, and should be continuously administered during entire gestation.

S. H. KENNEDY'S

Concentrated Extract of

PINUS CANADENSIS.

DARK.

A NON-ALCOHOLIC LIQUID.

WHITE.

A MOST VALUABLE NON-IRRITATING MUCOUS ASTRINGENT.

INDICATIONS.—Albuminuria, Diarrhea, Dysentery, Night-Sweats, Hemorrhages, Profuse Expectoration, Catarrh, Sore Throat, Leucorrhea and other Vaginal Diseases, Piles, Sores, Ulcers, Burns, Scalds, Gonorrhea, Gleet, Etc.

When Used as an Injection, to Avoid Staining of Linen, the WHITE Pinus should be Used.

RECOMMENDED BY PROMINENT EUROPEAN AND AMERICAN PHYSICIANS.

The above preparations are prepared exclusively for Physician's Prescriptions, and a sample of each or all of them will be sent to any Physician who wishes to test them, if he will pay the Express Charges.

RIO CHEMICAL CO.,

ST. LOUIS, MO.
U. S. A.

LONDON.

PARIS.

CALCUTTA.

MONTREAL.



DRUGS AND CHEMICALS.

		Prices include containers.	
METHYLENE, Bichloride.....	oz	\$0	72
MILK SUGAR, powdered.....	lb	25	
MILK, Condensed, Milk Maid brand, see page 14.....	doz	2	00
MICRAZOTOL (Antiseptic Sol. Eucalyptol Comp.), pt. 60; 5-pt. bot. \$2 50; gal	3	75	
MIXTURE, Asafoetida, U. S. P.....	lb	25	
Basham's, (Acetate of Iron and Ammonium).....		30	
Brown's, (Glycyrrhiza Compound).....		40	
Camphor, Hope's.....		30	
Chalk.....		30	
Chloral and Potassium Bromide, Comp.....	1	50	
Each fluidrachm contains 15 grains each of Chloral and of Bromide of Potassium, and $\frac{1}{8}$ grain each of extract of Indian Cannabis and of Extract of Hyoscyamus.			
Chloroform, U. S.....		40	
Cholera.....		75	
Composed of Opium, Capsicum, Rhubarb, Camphor and Peppermint.			
Copaiba Compound (Lafayette mixture).....		60	
Each fluidrachm contains 7 $\frac{1}{2}$ minims of Copaiba.			
Expectorant, Stokes'.....		60	
Guaiac.....		50	
Composed of Resin Guaiac, Sugar, Acacia and Cinnamon water.			
Iron Comp, Griffith's.....		60	
Rhubarb Compound.....		50	
Composed of Rhubarb, Ipecac, Sodium Bi-carbonate and Peppermint water.			
Sassafras and Opium, Godfrey's Cordial.....		60	
Each fluidrachm contains 2 minims of Tincture of Opium.			
Soda and Spearmint (Soda Mint).....		40	
MORPHINE, Acetate, $\frac{1}{8}$ -oz vials.....	oz	2	75
Acetate, 1-oz vials.....	oz	2	50
Bimeconate, $\frac{1}{8}$ -oz vials.....	oz	3	15
" solution.....	lb	1	75
Muriate, $\frac{1}{8}$ -oz vials.....	oz	2	75
" 1 ".....	oz	2	50
Pure Alkaloid, $\frac{1}{8}$ -oz vials.....	each	50	
Sulphate, $\frac{1}{8}$ -oz vials.....	oz	2	75
" 1 ".....	oz	2	50
Valerianate, $\frac{1}{8}$ -oz vials.....	each	55	
MOSS, Iceland.....	lb	15	
Irish, extra.....	lb	25	
MUSK, Chinese.....	oz	35	
Tonquin, grain, $\frac{1}{8}$ -oz vials.....	each	4	50
MUSTARD, seed, black.....	lb	10	
" white, English.....	lb	12	
ground, pure.....	lb	30	

Subject to Market Changes.



DIOVIBURNIA

UTERINE TONIC, ANTISPASMODIC AND ANODYNE.

A reliable and trustworthy remedy for the relief of Dysmenorrhœa, Amenorrhœa, Menorrhagia, Leucorrhœa, Subinvolution, THREATENED ABORTION, Vomiting in Pregnancy and Chlorosis; directing its action to the entire uterine system as a general tonic and antispasmodic.

FORMULA.

Every ounce contains $\frac{3}{4}$ dram each of the fluid extracts: Viburnum Prunifolium, Viburnum Opulus, Dioscorea Villosa, Aletris Farinosa, Helonias Dioica, Mitchella Repens, Caulophyllum Thaliactroids, Scutellaria, Lateriflora.

DOSE—For adults, a dessertspoonful to a tablespoonful three times a day, after meals. In urgent cases, where there is much pain, dose may be given every hour or two, ALWAYS IN HOT WATER

Jno. B. Johnson, M. D., Professor of Principles and Practice of Medicine, St. Louis Medical College.
St. Louis, June 20, 1888.

I very cheerfully give my testimony to the virtues of a combination of vegetable remedies prepared by a well known and able pharmacist of the city, and known as DIOVIBURNIA, the component parts of which are well known to any and all physicians who desire to know the same, and therefore have no relation to proprietary or quack remedies. I have employed this medicine in cases of dysmenorrhœa, suppression of the catamenia, and in excessive leucorrhœa, and have been much pleased with its use. I do not think its claims (as set forth in the circular accompanying it) to be at all excessive. I recommend its trial to all who are willing to trust to its efficacy, believing it will give satisfaction.

Respectfully,

L. Ch. Boisliniere, M. D., Prof. Obstetrics, St. Louis Medical College.
St. Louis, June 18, 1888.

I have given DIOVIBURNIA a fair trial, and found it useful as a uterine tonic and antispasmodic, relieving the pains of dysmenorrhœa, and regulator of the uterine functions. I feel authorized to give this recommendation of DIOVIBURNIA, as it is neither a patented nor a secret medicine, the formula of which having been communicated freely to the medical profession.

L. Ch. Boisliniere M.D.

H. Tuholske, M. D., Professor Clinical Surgery and Surgical Pathology, Missouri Medical College; also Post-Graduate School of St. Louis.

St. Louis, June 23, 1888.

I have used DIOVIBURNIA quite a number of times—sufficiently frequent to satisfy myself of its merits. It is of unquestionable benefit in painful dysmenorrhœa; it possesses antispasmodic properties which seem especially to be exerted on the uterus.

H. H. Tuholske

For further information and Sample Bottle see foot of this page.

NEUROSINE

THE MOST POWERFUL NEUROTIC ATTAINABLE, ANODYNE AND HYPNOTIC.

An efficient and permanent preparation, REMARKABLE for its efficacy and THERAPEUTIC EFFECTS in the treatment of the NERVOUS AFFECTIONS and morbid conditions of the system which so often tax the skill of the physician; a reliable and trustworthy remedy for the relief of Hysteria, Epilepsy, Neurasthenia, Mania, Chorea, Uterine Congestion, Migraine, Neuralgia, all Convulsive and Reflex Neuroses. The remedy par excellence in delirium and restlessness of fevers.

FORMULA:—Each fluid-dram contains 5 grains each, C. P. Bromides of Potassium, Sodium and Ammonium, 1-8 gr. Bromide Zinc, 1-64 gr. each of Ext. Belladonna and Cannabis Indica, 4 grains Ext. Lupuli and 5 minims fluid Ext. Cascara Sagrada, with Aromatic Elixirs.

DOSE:—From one teaspoonful to a tablespoonful, in water, three or more times daily, as may be directed by the physician.

To any physician, unacquainted with the medicinal effects of DIOVIBURNIA and NEUROSINE, desiring to try our preparations, and who will pay express charges, we will send on application a sample bottle of each free.

DIOS CHEMICAL CO., ST. LOUIS, MO., U. S. A.



DRUGS AND CHEMICALS.

Prices include containers.

MYRRH, gum (select).....	lb	\$0 45
" powdered.....	lb	50
NAPETHA, (wood naphtha), 1-lb. bottles.....	lb	35
NAPHTHALINE, pure.....	lb	15
NAPHTHOL, pure.....	oz	34
Beta.....	oz	20
NARCEINE, 1/8-oz vials.....	each	1 00
NARCOTINE, 1/8-oz vials.....	oz	1 25
NICKEL, Bromide, 1-oz vials.....	oz	47
Chloride, 1-oz vials.....	oz	24
Nitrate, 1-oz vials.....	oz	27
Oxide, 1-oz vials.....	oz	34
Sulphate, 1-oz vials.....	oz	14
Sulphate and Ammonia.....	lb	44
NEUROSINE (see page 186) 1/2-lb bottles.....	per doz	8 00
NITROGLYCERINE, solution (1 per cent.) oz 15, 1/4 lb 35.....	lb	1 10
NUTGALS, Aleppo, powd.....	lb	30
NUTMEGS.....	lb	70
Powdered.....	lb	80
NUTS, Areca, powd.....	lb	30
Kola, powd.....	lb	60
NUX VOMICA, powd.....	lb	22

Prices include containers.

	1-oz vials,	4-oz vials,	Per lb.
OIL, Almonds, bitter.....	\$0 60		
" sweet.....	10	\$0 25	\$0 70
Amber, rectified.....	10	20	50
Anise.....	20	60	2 00
Arnica.....	50		
Bay, imported.....	50		
Benne, gallon \$1.20, container extra.....			25
Bergamot.....	30	90	3 50
Black Pepper.....	15	30	1 10
British.....		20	55
Cade.....		15	40
Cajeput.....		30	90
Camphorated.....			40
Capsicum.....	75		
Caraway.....	25	70	2 30
Cardamom.....	3 00		
Cassia.....	15	40	1 20
Castor, pure, gallon \$1.40, container extra.....			25
Cedar, pure.....		20	70
Chaulmoogra.....		80	3 00
Cinnamon, Ceylon, true.....	1 25		
Citronella.....	12	25	75
Cloves.....	15	35	1 10
Cocoanut.....			25



—
The...

“KEPLER” EXTRACT OF MALT

Is a semi-fluid extract of the first class; light in color, agreeable in flavor, possessing a high diastasic activity and is prescribed by leading physicians throughout the world.

The Lancet (London) reports:—“The Kepler Extract of Malt” is the best known and most largely used.

The Pharmacological Record in an analytical report found it to possess the highest general standard of excellence.

Supplied in $\frac{3}{4}$ and $1\frac{1}{2}$ lb. bottles.

The “KEPLER” SOLUTION OF COD LIVER OIL IN EXTRACT OF MALT

This solution of Cod Liver Oil is as clear as plain Extract of Malt, but becomes an Emulsion on admixture with water.

The British Medical Journal reports:—The taste of the oil is agreeably disguised; its nutritive powers are greatly increased as the oil is rendered easy of digestion.

Supplied in $\frac{3}{4}$ and $1\frac{1}{2}$ lb. bottles.

...THE...

“KEPLER” BITTER ESSENCE OF MALT OR CONCENTRATED ALE

Very convenient for making a non-intoxicating beverage by simply mixing one tablespoonful or more with aerated water. It is highly nutritious and aids digestion.

In Champagne pints and quarts.

HAZELINE CREAM. (IN COLLAPSIBLE TUBES.)

Prepared with the approval of the medical profession, from Hazeline—a fine distilled Witch Hazel—in combination with “Lanoline.” It is cooling, soothing and healing. An excellent application for burns, scalds, chapping, roughness, redness or wrinkling of the skin, also for hæmorrhoids.

Borroughs, Wellcome & Co.

82 Fulton Street, NEW YORK, U. S. A.

Snow Hill, LONDON, Eng.

Orders may be sent to CHAS. TRUAX, GREENE & Co.



DRUGS AND CHEMICALS.

	Prices include containers.	1-oz. vials.	4-oz. vials.	Per lb.
OIL, Cod Liver, Norwegian, gallon \$1.25, container extra..				\$0 25
Copaiba.....		\$ 0 15	\$0 40	1 25
Coriander.....		80		
Cottonseed, gallon 80c., container extra.....				20
Croton, English.....		15	40	1 25
Cubeb.....		45		
Cumin.....		40		
Erigeron (Fleabane).....		25		
Eucalyptus.....		20	60	2 00
Fennel.....		25		
Fireweed.....		25	80	2 85
Geranium, Rose-Chiris.....		1 00		
Hemlock.....			25	70
Horsemint.....		22	65	2 25
Horseradish.....		1 20		
Juniper Berries.....		20	50	1 75
“ Wood.....		10	20	50
Lavender flowers, Chiris.....		30		
“ Garden.....		12	30	90
Lemon.....		25	80	3 00
Lobelia.....		75		
Male Fern.....		35		
Mullein, Genuine.....		65		
Mustard, essential.....		60		
Neroli, Bigarade.....		3 25		
“ Petit grain.....		60		
Nutmegs.....		35		
Olive, Malaga, gallon \$1.00, container extra.....				25
“ Tuscan, salad.....				40
Orange, Sanderson's.....		30	85	3 00
Origanum, commercial.....			15	40
“ red, pure.....			30	1 00
Pennyroyal.....		25	70	2 50
Peppermint.....		30	85	3 25
Pimento.....		25		
Pine Needles.....		15	35	1 10
Pumpkin Seed.....		65		
Rhodium.....		45		
“ True.....		80		
Rose, 1-drachm vials, each \$1.10.....		8 00		
“ Geranium.....		1 00		
Rosemary.....		15	40	1 40
Sandalwood, East India.....		60		
“ German.....		35	1 10	
Sassafras.....				60
Savin, German.....		20	50	1 60
Smartweed.....		35	1 20	4 50



Lactopeptine

The Most Important Remedial Agent in

DYSPEPSIA,
VOMITING IN PREGNANCY,
CHOLERA INFANTUM,
CONSTIPATION,

And all Diseases arising
FROM Imperfect Digestion.....

THE NEW YORK PHARMACAL ASSOCIATION,
YONKERS, - N. Y.



DRUGS AND CHEMICALS.

Prices include containers.			
	1-oz vials,	4-oz vials,	Per lb.
OIL, Spearmint.....	\$0 25	\$0 70	2 50
Sperm, gallon, \$1.10, container extra.....			25
Spike.....			25
Spruce.....			60
Stillingia.....	70		
Stone.....			25
Tansy.....	30	95	3 50
Tar.....			20
Thyme, white, pure.....		45	1 50
Turpentine, rectified.....			45
Wine, heavy.....	45	1 35	
“ light.....	30	1 00	
Wintergreen.....	25	65	2 25
Wormseed.....	25		
Wormwood.....	45		
OINTMENTS.	4-oz. Jars.	8-oz. Jars.	1 lb. Jars.
Basilicon.....	15	25	40
Bearsfoot.....	25	40	75
Belladonna.....	25	45	80
Benzoinated, U. S. P.....			30
Bitter Sweet, true, <i>Dulcamara</i>	25	40	70
“ false.....	25	40	70
Boroglyceride, 25 per cent.....	25	40	65
“ Thymolated.....	25	40	70
Ointment of Boroglyceride is free from irritating properties. It lessens suppuration, acts as a detergent, and forms a soothing and disinfecting application. It may be employed as a dressing to fresh wounds, burns or scalds, to prevent the action of atmospheric germs, or to arrest decomposition in gangrenous, sloughing or ill-conditioned wounds, etc.			
Cantharides, U. S. P.....	25	45	80
Carbolic, “.....	15	30	50
Chrysarobin, “.....	30	50	90
Citrine, U. S. P.....	20	35	60
Diachylon.....	15	25	40
Elder Flowers.....	25	40	70
Gallic Acid, U. S. P.....	20	35	60
Iodide of Lead, U. S. P.....	25	45	80
Iodine, U. S. P.....	25	40	70
Iodoform, U. S. P.....	40	70	1 52
Mayer's, A. D.....	25	40	70
Mercurial, $\frac{1}{2}$ mercury.....	25	40	70
“ $\frac{1}{8}$ “.....	20	35	60
Mercury, ammoniated, U. S. P.....	20	35	60
“ Red Iodide, U. S. P.....	30	55	1 00
“ Red Oxide, U. S. P.....	20	35	60
“ Yellow Oxide, U. S. P.....	30	55	1 00



Most Powerful



Antiseptic.....

BRAND.

PEROXIDE OF HYDROGEN.

EXCLUSIVELY FOR MEDICAL AND SURGICAL PURPOSES,

SAFE, SURE
and
SPEEDY CURE
for
Chronic
and
Contagious
Diseases....



Perfectly
Harmless.
Neither
TOXIC,
CORROSIVE
or
IRRITANT....

TRADE MARK.

Per dozen, 1 pound Bottle,	\$4 50	} Per 2 Doz. Cases, 5 per cent. less.
" " 1/2 "	3 50	
" " 1/4 "	2 50	

OZONITA

Is the first and is still the only harmless and real antiseptic preparation for the toilet of the mouth. Nascent oxygen or ozone is the curative and healing agents of preparation.

AS A

MOUTH WASH

and GARGLE of the
THROAT and NOSE...

It destroys instantaneously the innumerable deleterious micro-organisms infesting air and water; also the bacilli which are claimed by Bacteriologists to be the cause of catarrh and contagious diseases.

AS A

TOOTH WASH

Owing to its therapeutical properties, will purify the offensive breath that obtains its taint from bad teeth.

Its use when continued will remove the destructive tartar, and render the gums sound and healthful.

Price per Dozen Bottles, \$3.00.

ERNEST DREVET, Sole Manufacturer,

96 and 98 Maiden Lane, N. Y.

CHAS. TRUAX, GREENE & CO., CHICAGO, ILLS.

Orders may be sent to CHAS. TRUAX, GREENE & Co.



DRUGS AND CHEMICALS.

Prices include containers.

	4-oz. jars, each.	8-oz. jars, each.	1-lb. jars, each.
OINTMENT, Nutgall, U. S. P.....	20	30	50
Oleate Copper, 20 per cent. Oleate.....	40	70	1 30
“ Mercury, 10 per cent. Oleate.....	40	70	1 30
“ Zinc, Neutral, 25 per cent. Oleate.....	40	70	1 30
Oxide of Zinc, Benzoinated, U. S. P.....	20	35	60
“ “ Comp., A. D.....	25	40	75
Poke Root, A. D.....	20	35	60
Rose, (Cold Cream), U. S. P.....	30	55	1 00
Stramonium, U. S. P.....	25	45	80
Sulphur, U. S. P.....	15	25	40
“ Alkaline, U. S. P.....	15	25	40
“ Compound, N. F.....	20	35	60
Tannic Acid, U. S. P.....	20	35	60
Tar, U. S. P.....	15	25	40
“ Compound.....	20	35	60

Containing Oxide of Zinc and Ol. Tar.

	1 oz.	¼ lb.	½ lb.	1 lb.
OLEATE, Bismuth.....	\$0 25	90	1 70	3 25
Copper, see Ointment, Oleate of Copper..	20	65	1 20	2 25
Mercury, 20 per cent.....	25	90	1 70	3 25

Experience has shown that Oleates of Mercury of 5 per cent. and 10 per cent. do not keep well, and, owing to their unstable character, have been omitted from this list. On all orders where no strength is specified, the 20 per cent. Oleate will be sent.

Mercury and Morphine.....	60			
Representing Mercury Oxide 20 per cent., Morphine 5 per cent.				
Zinc, precipitated.....	20	65	1 20	2 25
(See Ointment Oleate Zinc).				

	per oz
OLEATES OF ALKALOIDS, Aconitine.....	\$0 60
Containing 2 per cent of the Alkaloid.	
Atropine.....	50
Containing 2 per cent of the Alkaloid.	
Cocaine.....	75
Containing 5 per cent of the Alkaloid.	
Hydrastine.....	1 00
Containing 5 per cent of the Alkaloid.	
Morphine.....	70
Containing 10 per cent of the Alkaloid.	
Quinine.....	40
Containing 25 per cent of the Alkaloid.	
Strychnine.....	30
Containing 2 per cent of the Alkaloid.	
Veratrine.....	75
Containing 10 per cent of the Alkaloid.	
Contains 20 per cent. of pure pancreatin.	



===Specify "BATTLE" When Prescribing Our Preparations===

PAPINE

THE ANODYNE.

Papine is the Anodyne or pain-relieving principle of Opium, the Narcotic and Convulsive Elements being eliminated. It has less tendency to cause Nausea, Vomiting, Constipation, Etc.

INDICATIONS.—Same as Opium or Morphia.

DOSE.—ONE FLUID DRACHM—(represents the Anodyne principle of one-eight grain of Morphia.)

===Specify "BATTLE" When Prescribing Our Preparations===

Orders may be sent to CHAS. TRUAX, GREENE & CO.



DRUGS AND CHEMICALS.

Prices include containers.

OLEO RESIN, Cubebs	oz	\$0 50
Male Fern.....	oz	60
OPIUM (For fluid prep. of Opium, see Tinctures)		
Denarcotized.....	oz	75
Gum (natural), select.....	lb	3 50
“ powdered, U. S. P., assayed.....	lb	4 75
“ “ “ “	oz	35
ORANGE PEEL (bitter), powd., ¼ lb., 10.....	lb	25
“ “ (sweet), powd., ¼ lb., 10.....	lb	25
ORRIS ROOT (Iris Florintina), ¼ lb., 15.....	lb	50
“ “ powd., ¼ lb. 15.....	lb	50
OXGALL, Inspissated.....	oz	20
Purified.....	oz	25
OZONITA (Ernest Drevet's), (see page 192).....	doz	3 00
PALMETTO COMPOUND, Fluid.....	per pint	1 00
“ “ “ “	per 5-pint bot	4 50

Contains the combined medicinal constituents of Saw Palmetto Berries, Couch Grass root and Sandal-wood. In the preparation of this compound the fixed oil of Saw Palmetto Berries and all inert resinous matter are rejected and the finished product thus purified represents the crude drugs minim for grain.

PALPEBRINE.....	doz	8 00
PANCREATIN, pure, C. T. G. & Co's.....	oz	75
Five grains will completely peptonize a pint of milk at 110° F. in about 30 to 40 minutes.		
PANCREATIN, liquid, pt., 70 ; 5 pts., \$3 00.....	gal	4 50
One fluidrachm contains 2 grains pure pancreatin.		
PANCREATIN, Saccharated, oz. 25; ¼ lb., 85.....	lb	3 00
Contains 20 per cent. of pure pancreatin.		
Wyeth's (see page 369).....	oz	1 00
PANCREATIC POWDER, oz., 25; ¼ lb., 85....	lb	3 00
Contains pure pancreatin, 20 parts; sodium bicarbonate, 80 parts.		
PAN-PEPTIC ELIXIR (S. & D.) pint bots.....	per doz	10 00
“ “ 5-pt bots.....	each	3 75
PAN-PEPTIC TABLETS (S. & D.)		
“ “ per doz. bottles (25 tablets each).....		3 00
“ “ “ “ (50 tablets each).....		5 00
“ “ “ “ (100 tablets each).....		9 00
PANCROBOLIN, Liquid (R. & C.).....	doz	8 00
Pills (plain).....	doz	8 00
PAPINE (see page 194) ½-lb bottles.....	doz	8 00
PAPAYOTIN, 15-gr vials.....	each	50
PAPOID (See Index), 1-ounce and ½-ounce bottles.....	per ounce	3 00
PAPOID TABLETS, 100s.....	doz	12 00
PAPOID AND BORACIC ACID TABLETS, 100s.....	doz	12 00
PAPOID AND NUX VOMICA TABLETS, 100s.....	doz	12 00



FROM ABOUT

2,000,000 HOGS' STOMACHS

RECEIVED ANNUALLY, WE MAKE ABOUT

30,000 LBS. OF **PEPSIN**

HOW DISPOSED OF:

<div style="display: inline-block; width: 10px; height: 100px; background-color: black; margin-right: 5px;"></div>	<p>15,000 LBS. to Manufacturers,</p> <p>10,000 " for Physicians' and Retail trade,</p> <p>5,000 " for our own use in Manufacture.</p>
--	--

.....Cudahy's **Essence of Pepsin**

MADE FROM 1-2500 PEPSIN AND CALF'S RENNET, IS UNEQUALLED.

.....HEADQUARTERS FOR **PANCREATINE**

We also make Tablets of
Pepsin and of Pancreatine,
Simple and Comp.

LAST, NOT LEAST,

REX BRAND, EXTRACT OF BEEF

Solid, Fluid and Peptonized, and
Lime Juice and Pepsin Comp.

COUPON TELLS HOW WE TREAT PHYSICIANS WHO WANT SAMPLES.

THE CUDAHY PACKING CO.

SOUTH OMAHA, NEB.

Orders may be sent to CHAS. TRUAX, GREENE & CO.



DRUGS AND CHEMICALS.

Prices include containers.

PAPOID AND SODA BI-CARB. TABLETS, 100s.....	doz	\$12 00
PAPOID AND SODA BI-CARB. TABLETS, 35s.....	doz	4 00
PAPOID GLYCEROLE.....	per doz	12 00
PARAFFINE, Refined.....	lb	18
PARALDEHYDE, 1-oz vials.....	oz	32
PAREGORIC (see Tinct. Opium Camphor.)		
PAREIRA BRAVA, root, powdered.....	lb	50
PEACOCK'S BROMIDES, ½-lb bottles (see page 162.).....	doz	8 00
PELLETERINE, Sulphate.....	gramme	1 75
Tannate.....	gramme	50
Tanret's.....	bottle	2 00
PENTAL, 10-gramme vials.....	each	75
PEPPER, black.....	lb	18
" powdered.....	lb	20
white.....	lb	35
" powdered.....	lb	40
PEPPERMINT, herb, powdered.....	lb	30
PEPSIN, Aromatic, Compound (see Aromatic Digestive Powder.)		
PEPSIN, pure (scale), 1-oz bottles.....	oz	75

One grain will dissolve 3,000 grains of coagulated albumen. It is comparatively free from odor and entirely soluble in cold water.

PEPSIN, pure (powder), 1-oz bottles.....	Oz	75
--	----	----

This Pepsin is of the same digestive strength as Pepsin pure in scales.

	oz.	¼ lb.	lb.
PEPSIN, saccharated, U. S. P., 1880.....	\$0 20	45	1 50

One grain will dissolve 50 grains of coagulated albumen.

PEPSIN, saccharated, <i>active</i> U. S. P., 1890.....	35	85	3 00
--	----	----	------

One grain will dissolve 300 grains of coagulated albumen.

	1 pt.	5 pts.	1 gal.
PEPSIN, liquid, U. S. P.....	60	2 40	3 75
PEPSIN, liquid, "Neutral".....	65	2 60	4 00

This preparation contains the gastric ferment in a neutral medium, and will retain its digestive power unchanged for a long time. It contains no added acid; otherwise it conforms in strength with Liquor Pepsin U. S. P. It forms the base for a number of Elixirs, for which it is particularly adapted.

See Elixirs for combination with Liquid Pepsin "Neutral."

	oz. bts.	¼-lb. bts.	1-lb. bts.
PEPSIN, Compound, Powder, N. F.....	30	85	3 00

Formula: Saccharated Pepsin, 150 parts; Pancreatin (N. F.), 150 parts; Diastase, 10 parts; Lactic Acid, 10 parts; Hydrochloric Acid, 20 parts; Sugar of Milk, enough to make 1,000 parts. This preparation is the semi-official substitute for the various copyrighted preparations of a similar character now in the market.



GOLDEN SCALE PEPSIN

FREELY SOLUBLE WITH OR WITHOUT ACID;
OFFICIAL STANDARD TEST.

* Specially Adapted for Liquid Forms and Combinations. *

Ford's Pepsin, in Scale and Powder.

NON-HYGROSCOPIC. OFFICIAL STANDARD TEST.

Specially Adapted for Dry Forms and Combinations as it does not deteriorate by exposure to the air. These two Pepsins fulfill every requirement where the ferment is indicated.

FORD'S DIGESTIVE TABLETS.

- I.—Pepsin, 1 gr., with Aromatics.
- II.—Pepsin, 1 gr., Subnit. Bismuth, 2 grs.
- III.—Pepsin, 1 gr., Subnit. Bismuth, 2 grs., Strychnia, 1-60 gr.
- IV.—Pepsin, 1 gr., Subnit. Bismuth, 2 grs., Charcoal, 2 grs.
- V.—Pepsin, 1 gr., Charcoal, 2 grs.
- VI.—Pepsin, 1 gr., Pancreatin, $\frac{1}{2}$ gr Lactophos, Lime, $2\frac{1}{2}$ grs.

PACKED IN BOTTLES OF 100 AND 500.

- VII.—Peptonizing Tablets, Pancreatin, $2\frac{1}{2}$ grs., Soda Bicarb. $7\frac{1}{2}$ grs.
Each tablet will peptonize one pint of milk in thirty minutes.

PACKED IN TUBES OF 16 TABLETS EACH, 1 DOZEN TUBES IN A BOX.

FORD'S ESSENCE OF PEPSIN.

Specially adapted for the preparation of junket and whey, also for administration to infants and to invalids whose stomachs are delicate. One teaspoonful will curdle two pints of milk at 105 deg. F., in a few minutes.

PACKED IN FULL PINTS.

For prices, see list published in this catalogue.

Sold by **CHAS. TRUAX, GREENE & CO.**

NOTE COUPON PUBLISHED IN THIS CATALOGUE.

NEW YORK & CHICAGO CHEMICAL CO.

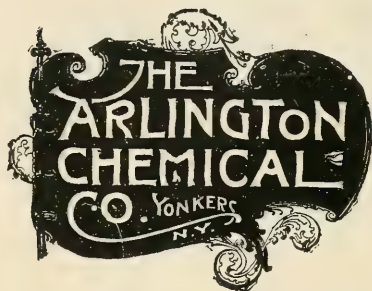
NEW YORK.



DRUGS AND CHEMICALS.

	Prices include containers.	1 pt.	5 pts.	1 gal.
PEPSIN, liquid, Vinus (Wine of Pepsin	\$0 65	\$2 60	\$4 00	
Each fluidrachm represents 1 gr. of pure Pepsin.				
PEPSIN AND LIME JUICE.....	75	3 25	5 00	
Each fluidrachm contains:				
Lime juice, pure.....12 min				
Combined with Liquid Pepsin, "Neutral."				
PEPSIN AND PANCREATIN, Liquid.....	75	3 25	5 00	
Each fluidounce contains:				
Pure Pancreatin.....8 grs				
Combined with Liquid Pepsin, "Neutral."				
PEPSIN WITH FLUID MALT, see Fluid Malt.				
		4 fl. ozs. per bot.	12 fl. ozs. per bot.	
PEPSIN GLYCERITE, N. F. (Glycerole of Pepsin Conct.)		60	1 50	
Each fluidrachm represents 5 grains of Pepsin, N. F.				
		1 pt.	5 pts.	
PEPSIN AND WAFER ASH, Glycerole.....		70	3 00	
Each fluidrachm represents 4 grains of Wafer Ash combined with Liquid Pepsin, "Neutral."				
PEPSIN, Chlor-Lactated, Patch's (see page 298).				
Cudahy's Scale (1-2500), see page 196.....		oz	70	
" Powder (1-2500).....		oz	70	
" Essence, 8-oz bottles.....		per doz	7 00	
" " 16-oz bottles.....		per doz	13 00	
" " 5-pt bottles.....		each	4 50	
" Glycerole, 4-oz bottles.....		per doz	5 00	
" " 5-pt bottles.....		each	6 50	
Ford's (see page 198).....		oz	75	
" Essence, pt bottles.....		per doz	10 00	
Golden Scale.....		oz	50	
Pure, Wyeth's (see page 368.).....		oz	75	
"Webber's" (S. & D.).....		per oz	1 25	
" "		per lb	18 00	
PEPTIC ESSENCE (Arthur Peters & Co.) (see page 228).....		per doz	8 00	
PEPTO-MANGAN, "Gude's" (see page 208).....		per doz	9 00	
PETROLALUM, Extra Yellow, 1s		lb	15	
Extra Yellow, 5s		lb	12	
Carbolated, 1s		lb	20	
" 5s		lb	18	
White, 1s		lb	18	
" 5s		lb	16	
Snow White, 1s		lb	25	
" " 5s		lb	23	
PHENACETINE, Bayer, 1-oz cartons.....		oz	1 00	

Phenacetine is justly regarded as the safest and most effective of Antipyretics and Analgesics. It is indicated in all acute, inflammatory fevers, the pneumonias, the exanthemata, *la grippe*, migraine, neuralgia, rheumatism, etc.



SUCCESSORS TO

REED & CARRICK

FOR THESE PREPARATIONS.

Beef Peptonoids

Contains the solid constituents of Beef and Milk with Gluten, sterilized and partially peptonized. The most nutritious food in the market, easily assimilated, palatable, and permanent. Invaluable in Fevers, Convalescence from all Diseases, Gastritis, etc.

Liquid Peptonoids

Represents Beef Peptonoids in the form of an elegant cordial, all constituents being entirely digested and ready for assimilation. Is a nourishing peptogenic liquid stimulant with the albuminoids in a soluble state with only sufficient spirits added to preserve it.



The most efficient and palatable preparation in Nervous and Sick Headache, Neuralgia, Insomnia, Neurasthenia, and General Nervous Irritability.

Each dessertspoonful contains—

Caffein,
Acidi Phosphorici, ʒʒ grains, ss,
Antipyrin,
Ext. Apii Grav. Dulc. (Celery), ʒʒ grain j,
Sodium Bromide, grains v.



DRUGS AND CHEMICALS.

Prices include containers.

PHENACETINE PILLS AND TABLETS, see lists of W. H. Schieffelin & Co.,

on pages 332 to 338.

PHOSPHORUS, 1-oz cans.....oz \$0 25

Solution (Thompson's).....oz 25

Tincture, Compound (Vitalizon) (see Tinctures.)

PHOSPHO-CAFFEIN, Compound (see page 200. 2 oz., per doz..... 2 00

“ “ “ 8 oz., “ 8 00

PIPERAZINE, Bayer, $\frac{1}{2}$ -oz and 1-oz vials.....oz 4 75

PIPERAZINE, Bayer, tablets 16 grains each (10 tablets in a tube)....per tube 1 75

The chief therapeutic indication of Piperazine is the uric-acid diathesis, or the dyscrasia resulting from that condition. It has a very marked influence upon the gouty condition, and promotes the absorption of undesirable exudates. The value of Piperazine in both acute and chronic gout is very decided. The ordinary daily dose of Piperazine is 15 grs. Through the enterprise of the Farbenfabriken, vorm. Friedr. Bayer & Co. (whose laboratories are at Elberfeld), a new process for the preparation of Piperazine has been discovered, and, through the use of that method, the cost of this valuable new remedy has now been reduced to about one-half of its former price.

PICROTOXIN, $\frac{1}{8}$ -oz vials.....each 70

PILL, Blue (see Blue Mass).

PILLS AND GRANULES.

Schieffelin & Co's. }
Thayer's, }
Upjohn's, }
Warner's, }
Wyeth's, }

A full assortment at wholesale prices.

PILLS FEBRICIDE, see pages 174 and 157.

PILOCARPIN, pure, 5 and 10 gr vials.....gr 14

Muriate, cryst., 5 and 10 gr vials.....gr 12

Nitrate, 5 and 10 gr vials.....gr 10

Sulphate, Merck's, 5-gr vials.....gr 16

PIMENTO.....lb 12

Ground.....lb 15

PINK ROOT, powd.....lb 45

PINUS CANADENSIS (Kennedy's), white or dark.....doz 13 00

PIPERINE, Mallinckrodt's, 1-oz bottles.....oz 68

PIPSISSEWA, Plant.....lb 30

Powd.....lb 35

PLASTER PARIS, Dental.....lb 04

PLASTERS, Adhesive, $\frac{1}{2}$ -lb rolls.....lb 40

Belladonna, $\frac{1}{2}$ -lb rolls.....lb 1 20

Diachylon, $\frac{1}{2}$ -lb rolls.....lb 40

Mather's, $\frac{1}{2}$ -lb rolls.....lb 50

Resin, $\frac{1}{2}$ -lb rolls.....lb 40

Tar Comp. (irritating).....lb 35

PLASTERS, spread on cloth, see Surgical Requirements.

PLATINUM, Chloride.....oz 7 54

PLATT'S CHLORIDES (see page 141).....doz 4 00

PLEURISY ROOT, powd.....lb 30

PODOPHYLLIN.....oz 30



CAFFACEMON

A SPECIFIC IN PNEUMONIA.

IT RELIEVES THE PAIN—CONTROLS THE FEVER—STOPS THE COUGH—AND ABORTS THE DISEASE.

The latest and best analgesic remedy, combines the properties of Caffeine, Acetanilide, Monobromate of Camphor and Capsicum, being thus a powerful anodyne and antipyretic, while devoid of the depressing qualities usual in the remedies of this class. Its use is indicated in all the various forms of **Headache**, Neuralgia, Rheumatism, LaGrippe, in short, all cases of pain where speedy and pleasant relief is desired. It reduces temperature without producing depression and begets a feeling of vigor instead of languor produced by almost all antipyretics, and hence is a superior remedy in all febrile diseases.

THE S. B. MEDICINE CO.,

Sirs:—Please send me 1,000 tablets of **Caffacemon** by mail, at once, and oblige.

TIPTON, IOWA, Dec. 1, 1892.

P. S.,—Dr. Wyant had his first lot of **Caffacemon**—250 tablets—Oct. 1, 1892.

THE S. B. MEDICINE CO., South Bend, Ind.

O. B. WYANT, M. D.

NEWARK, OHIO, Oct. 20, 1892.

Gentlemen:—I have given the **Caffacemon** tablets a fair trial and am highly pleased with them, and can use them in large quantities in my practice. Please send me 3,000 C. O. D., at once, and oblige,

Yours respectfully,

DR. LUCY HARKEY ADAMS.

Price, \$5.00 per pound, 1000 tablets. In 10 pound lots, \$4.00 per pound. For free sample see coupon. Sent prepaid upon receipt of price.

COCAINE COMPOUND

SUPPOSITORIES AND BOUGIES.

UNEXCELLED IN THE TREATMENT OF ALL UTERINE, RECTAL AND URETHRAL DISEASES

S. B. MEDICINE CO.,

NEW YORK, Sept. 5, 1888.

Inclosed please find \$5.00, for which send me a dozen boxes Cocaine Compound Suppositories. Don't like to be without them.

143 West 22nd Street,

DR. J. J. SPRENG.

GREENCASTLE, IND., May 9, 1889.

Gentlemen:—Please send me one dozen boxes more of Cocaine Compound for female diseases. The Cocaine is a splendid remedy and does all you claim for it. I like it very much.

Respectfully yours,

G. C. SMYTHE, M. D.

S. B. MEDICINE CO.,

LYON'S PLAIN, CONN., Mch., 12, 1888.

Gentlemen:—The sample of Cocaine Compound Suppositories sent to me gave good satisfaction. Enclosed find \$5.00, for which please send me one dozen boxes at once, and oblige,

Yours truly,

FRANK GORHAM, M. D.

S. B. MEDICINE CO.,

WHITEWATER, WIS., Nov. 6, 1888.

Please send me two dozen packages Cocaine Compound Suppositories for Female Complaints and Hemorrhoids. Have used the dozen packages you sent me a few weeks ago, and am more than satisfied with the results. They are the best Suppositories I ever used and I cannot afford to be without them.

Very truly yours,

C. A. DAILY, M. D.

S. B. MEDICINE CO.,

ROCKFORD, ILL., July 20, 1888.

Gentlemen:—Please ship me 6 dozen boxes Cocaine Suppositories, \$25.00; 2 dozen boxes Cocaine Bougies, \$10.00. Please have my label put on boxes the same as my last order. Your goods are giving me good satisfaction.

W. H. FITCH, M. D.

Sent Prepaid upon receipt of Price.

\$5.00 per dozen boxes, \$50.00 per gross boxes, Suppositories.

6.00 " " 60.00 " " Bougies.

FOR FREE SAMPLE SEE COUPON.

Address: THE S. B. MEDICINE CO., South Bend, Ind.

Orders may be sent to CHAS. TRUAX, GREENE & Co.



DRUGS AND CHEMICALS.

Prices include containers.

POKE ROOT, powd.	lb	\$0 25
POMEGRANATE ROOT, bark.	lb	40
PONCA, Compound (Mellier Drug Co's) (see page 236)	doz	8 00
POPLAR, bark, white, powd.	lb	20
" yellow, powd.	lb	25
PORTER (see Wines and Liquors).		
POTASSA, Caustic, white sticks.	lb	49
With Lime.	lb	65
Solution (Liquor Potassæ).	lb	30
POTASSIUM, ¼-oz. vials.	oz	2 00
Acetate, Mallinckrodt's	lb	41
Acetate, chemically pure.	lb	70
Arsenate, 1-oz vials.	oz	14
Arsenite.	oz	19
Benzoate, 1-oz vials.	oz	44
Bicarbonate, cryst., 1-lb cartons.	lb	19
Bicarbonate, powd., 1-lb cartons.	lb	23
Bicarbonate, granulated, 1-lb cartons	lb	34
Bichromate.	lb	18
Bichromate, powd.	lb	32
Bisulphate, 1-lb bottles.	lb	59
Boro-Tartrate, 1-lb bottles.	lb	1 09
Bromide, cryst., Mallinckrodt's , 1-lb cartons.	lb	41
Bromide, gran., Mallinckrodt's , 1-lb cartons.	lb	41
Bromide, powd., 1-lb cartons.	lb	47
Carbonate, 1-lb bottles.	lb	23
Carbonate, chemically pure, 1-lb bottles.	lb	59
Chlorate, cryst., 1-lb cartons.	lb	24
Chlorate, gran., pure, Mallinckrodt's , 1-lb cartons.	lb	32
Chlorate, powd., 1-lb cartons.	lb	26
Chloride, pure, 1-lb bottles.	lb	44
Chromate, pure (neutral).	lb	59
Citrate, Mallinckrodt's , 1-lb bottles.	lb	76
Cyanide, fused, 1-lb bottles.	lb	69
Cyanide, gran., 1-lb bottles.	lb	89
Cyanide, C. P.	lb	81
Ferricyanide, potash, coml.	lb	65
Ferrocyanide, chemically pure.	lb	1 34
Hypophosphite, 1-oz vials.	oz	19
Hypophosphite, 1-lb bottles.	lb	1 54
Iodide, cryst. or gran., Mallinckrodt's , 1-lb bottles.	lb	3 09
Iodide, bulk.	lb	3 00
Iodo-Hydrarg, 1-oz vials.	oz	77
Meta Bisulphite.	oz	19
Nitrate, cryst., Mallinckrodt's , 1-lb cartons.	lb	18
Nitrate, cryst., bulk.	lb	08
Nitrate, powd., bulk.	lb	10



AROMATIC DIGESTIVE POWDER

Composed of . . .
Pepsin, Pancreatin,
Veg. Diastase,
Hydrochloric Acid,
Lactic Acid and
Aromatics.

WE DIRECT especial attention to this highly active digestive agent, which has by its excellence established a reputation of its own. The increasing and repeated orders for this article accompanied by many flattering commendations, sufficiently indicate its high character, and the estimation in which it is held by the Medical Profession.

The digestive ferments employed in this compound, are all high test goods of superior quality. The aromatics, are those found most grateful and efficient in toning up the organs of digestion to the performance of their natural functions.

AROMATIC DIGESTIVE POWDER possesses not only the power to convert albuminoid substances into peptones and starchy matters into sugar, but restores to healthy action the secretory powers of digestion. It is indicated in the various disorders of the stomach and bowels, whether acute or chronic, and may be prescribed in all cases arising from imperfect digestion of food.

It is palatable and excellent in every way, and may be taken both by adults and children, without repugnance.

Useful for

Dyspepsia in its various Forms, Cholera Infantum, Diarrhoea of Children, and all Gastric and Bowel Diseases resulting from mal-nutrition.

AROMATIC

*

*

DIGESTIVE POWDER.

Is supplied in 1 oz., $\frac{1}{4}$ lb. and 1 lb. bottles, also in 5 grain tablets.

Price of powder, per ounce.....	\$0 40
“ “ per 4 ounce.....	1 05
“ “ per pound.....	4 00
“ of Tablets per 100.....	50
“ “ per 500.....	2 00
“ “ per 1000.....	3 50

SAMPLES TO PHYSICIANS FREE.

MANUFACTURED BY CHAS. TRUAX, GREENE & CO.

75 & 77 WABASH AVE., CHICAGO, ILL.



DRUGS AND CHEMICALS.

Prices include containers.

POTASSIUM, Nitrate, granulated.....	lb	\$0 10
Nitrate, chemically pure.....	lb	42
Nitrate, pure, in sticks.....	oz	19
Oxalate, Neutral.....	lb	30
Permanganate, cryst., Mallinckrodt's , 1-oz vials.....	oz	10
Permanganate, cryst., pure, 1-lb cartons.....	lb	37
Phosphate, 1-oz vials.....	oz	14
Phosphate.....	lb	99
Prussiate, red, bulk.....	lb	65
Prussiate, yellow, coml., bulk.....	lb	35
Salicylate, 1-oz vials.....	oz	37
Silicate, 1-lb bottles.....	lb	28
Sulphate, powd.....	lb	16
Sulphate, chemically pure.....	lb	40
Sulphite.....	lb	59
Sulpho-Carbolate, 1-oz vials.....	oz	15
Sulpho-Cyanide, 1-oz vials.....	oz	19
Sulphuret (Liver Sulphur).....	lb	31
Tartrate (Soluble Tartar).....	lb	64

POWDER,

Acacia Compound, N. F.....	$\frac{1}{4}$ lb	20c., lb	60
Antibilious (Jalap compound), A. D.....	$\frac{1}{4}$ lb	25c., lb	75
Antimonial.....	$\frac{1}{4}$ lb	20c., lb	65
Aromatic.....	$\frac{1}{4}$ lb	25c., lb	80
Calomel and Bismuth Compound.....	$\frac{1}{4}$ lb	30c., lb	1 00
Represents Calomel, 1 part; Bismuth, Sub. Nit., 1 part; Sugar of Milk, 8 parts.			
Calomel and Jalap, N. F.....	$\frac{1}{4}$ lb	25c., lb	75
Catechu Compound, N. F.....	$\frac{1}{4}$ lb	20c., lb	60
Chalk, Aromatic.....	$\frac{1}{4}$ lb	20c., lb	60
“ “ with opium.....	$\frac{1}{4}$ lb	25c., lb	85
“ Compound (for chalk mixture).....	$\frac{1}{4}$ lb	15c., lb	40
Composition.....	lb		40
Diaphoretic (camphorated, Dover's).....	$\frac{1}{4}$ lb	35c., lb	1 25
Digestive, Aromatic (see opposite page).....	$\frac{1}{4}$ lb	\$1.05, lb	4 00

Composed of Pepsin, Pancreatin, Veg. Diastase, Hydrochloric Acid, Lactic Acid and Aromatics.

The digestive ferments employed in this compound are all high test goods of superior quality. The aromatics are those found most grateful and efficient in toning up the organs of digestion to the performance of their natural functions.

AROMATIC DIGESTIVE POWDER possesses not only the power to convert albuminoid substances into peptones and starchy matters into sugar, but restores to healthy action the secretory powers of digestion. It is indicated in the various disorders of the stomach and bowels, whether acute or chronic, and may be prescribed in all cases arising from imperfect digestion of food.

It is palatable and excellent in every way, and may be taken both by adults and children without repugnance.

Dover's (Pul. Ipecac, et opii, U. S. P.).....	$\frac{1}{4}$ lb.	35c., lb	1 10
Jalap compound, U. S. P.....	$\frac{1}{4}$ lb	25c., lb	75
Kino compound, N. F.....	$\frac{1}{4}$ lb	25c., lb	75



A Reconstructive.

The desirability of a reliable combination of the iodides of Arsenic, calcium and manganese with cod liver oil in a palatable form was suggested by a prominent physician of many years practice, and after discussing the matter, we resolved to accomplish it if it could be done. When we reached success in the preparation we presented it to a number of physicians through a large range of country and pressed them to subject it to the fullest test possible in their practice. This has been done and from the many testimonials received we are induced to conclude that the combination is especially serviceable.

First, in scrofulous affections, when the soft and osseous tissues are both involved;

Secondly, in the latter forms of syphilitic disease, where a thorough permeation of the whole system is manifest, and in the obstinate skin affections, resulting from this disease;

Thirdly, in Rheumatic Arthritis of long standing;

Fourthly, in Bronchial affections;

Fifthly, in no direction has greater stress been laid upon the beneficial effects of this combination than in Marasmus, both infantile and adult. The food necessary to repair the waste of tissue is here supplied and in a shape so acceptable to the organs of assimilation as to become manifest in a short time in the increasing strength and vigor of the patient. We present in the following some of the reports made us and hope that they will be favored with an examination by you. Our desire is to serve the profession with an aid worthy of their consideration, and this we believe has been fully accomplished in **Budwell's Emulsion of Cod Liver Oil**, combined with the Iodides of Arsenic, Calcium and Manganese.

Each tablespoonful contains 1-40 grain Iodide of Arsenic, 1-8 grain Iodide Manganese, 1-4 grain Iodide Calcium, and 50 per cent purest Norwegian Cod Liver Oil.

From Dr. Hunter McGuire, of Richmond, Va.

Budwell Pharmacal Co., Roanoke, Va.:

Gentlemen,—I have used, and like very much, your Emulsion of Cod-Liver Oil.

Very truly yours,
HUNTER MCGUIRE.

From Dr. W. C. Dabney, ex-President Virginia Medical Society.

Pudwell Pharmacal Co., Roanoke, Va.:

UNIVERSITY OF VIRGINIA.

Dear Sirs.—I have been very much pleased with your Arsenicated Emulsion of Cod-Liver Oil. It is as palatable as any other preparation, and has given me good results, especially in obstinate cases of *Neuralgia*.

Yours truly,

W. C. DABNEY, M. D.,
Professor Obstetrics and Practice of Medicine, University of Virginia.

From Dr. Landon B. Edwards, Editor "Virginia Medical Monthly."

Budwell Pharmacal Company, Roanoke, Va.:

RICHMOND, VA.

Dear Sirs,—As I tell everybody else that yours is an excellent Emulsion of Cod-Liver Oil, etc., and as I am constantly prescribing it with gratifying results in my practice, I do not suppose any one will say it is unethical for me to say the same to you. The combination with the Iodides of Arsenic, Calcium and Manganese was a happy idea, and adds an *alterative* effect of very great value to the *tonic* and *food* virtue of your well-selected oil.

Yours very truly,

LANDON B. EDWARDS.

From Dr. John Herbert Claiborne, ex-President Virginia Medical Society.

Budwell Pharmacal Co., Roanoke, Va.:

PETERSBURG, VA.

Gentlemen,—I have given your Emulsion a full and careful trial, and find it one of the best preparations of the kind which I have used. In its alterative properties I think it surpasses any of its congeners, and I predict for it a wide and justly extended reputation.

Yours very truly,

JOHN HERBERT CLAIBORNE, M. D.

BUDWELL PHARMACAL CO., Roanoke, Va.

ORDERS FILLED BY CHAS. TRUAX, GREENE & CO.



DRUGS AND CHEMICALS.

Prices include containers.

POWDER, Liquorice compound, U. S. P.....	¼ lb 15c., lb	\$0 40
Lobelia compound (Emetic powder), A. D.	¼ lb 25c., lb	80
Morphine compound (Tully's powder), U. S. P.....	¼ lb 50c., lb	1 75
Pancreatic (Peptonizing powder).....	¼ lb 85c., lb	3 00
Pepsin compound, N. F.....	¼ lb 85c., lb	3 00
" Saccharated (see Pepsin).		
Rhubarb compound, U. S. P.....	¼ lb 25c., lb	80
Talcum compound, salicylated.....	¼ lb 25c., lb	80

Composed of boracic acid in fine powder, 10 parts; salicylic acid, 3 parts; purified talcum, 87 parts.

POWDER, roots, herbs, etc. A full line.

Extracts (see page 266).

POWDERS, Seidlitz.....	per doz. boxes	2 25
PRICKLY ASH, bark, powd.....	lb	30
Berries, powd.....	lb	50
PROPYLAMIN, pure, liquid, 1-oz vials	oz	45
Chloride, ½-oz vials.....	oz	4 00
PUMICE STONE, select, lump.....	lb	08
Powd.....	lb	07
PYOKTANIN, blue or yellow, Merck's , 1-oz vials incl.....	oz	1 50
Pencils, blue or yellow, large and small.....	each	75

Powder. SOL.: In 30 boiling, 50 hot, 75 cold W.; 12 of 90 per cent. A. (forming a solut. which may be diluted ad libitum with W. without causing precipitation), 50 Gl., C.; insol. in E., Collodion, Benzoin. Non-poisonous, very diffusible in the animal fluids, practically odorless. External ANTISEPTIC, DISINFECTANT, ANALGETIC, etc. (for Surgery, Ophthalmia, Otitis; in Diseases of the Nose and Throat, Malignant Neoplasms, etc.; also for Veterinary Practice). APPLIC.: pure, in pencil, or solut. (1-10: 1000), etc. N. B.—PYOKTANIN STAINS are removed by lathering with common soap (rubbing in well) and then washing (or, if need be, brushing) off with Alcohol. PYOKTANIN PENCILS, when broken, are mended by wetting the surfaces with water and pressing them together. PYOKTANIN SOLUTIONS should be kept in dark bottles, and should not be used when more than 3 days old.

PYRIDIN.....	oz	32
QUASSIA, Chips.....	lb	12
" Powd.....	lb	20
QUEEN OF THE MEADOW, herb, powd.....	lb	30
QUICKSILVER (see Mercury).		
QUINIDINE, SULPHATE, 1-oz vials	oz	48
Sulphate, 5-oz cans.....	oz	43
QUININE, Acetate, 1-oz vials.....	oz	88
Alkaloid.....	oz	85
Arseniate, ½-oz vials.....	oz	95
Bisulphate, 1-oz vials.....	oz	34
Bisulphate, 5-oz cans.....	oz	29
Borate, 1-oz vials.....	oz	90
Cincho, 1-oz vials.....	oz	1 10
Citrate, 1-oz vials.....	oz	75
Dextro, 1-oz vials.....	oz	1 50
Hydrobromate, 1-oz vials.....	oz	75



Introduced to the Medical Profession Only.

GUDE'S PEPTO-MANGAN

PERFECTLY NEUTRAL.

Blood - Maker—Given with Milk.

DOCTOR!

If you have a case of **ANAEMIA, CHLOROSIS, or AMENORRHOEA**, that shows no visible sign of improvement, and you have exhausted the entire list of nauseating Iron preparations with little or no effect, it is because the blood is deficient in that *essential oxidizing constituent*. **MANGANESE**, in a soluble, readily assimilable form, the best being in combination with iron.

GUDE'S PEPTO-MANGAN

Is rapidly and easily assimilated. Produces a rapid increase of red corpuscles in the blood.

Is perfectly miscible with sherry or milk.

Pleasant and agreeable to taste. Gives appetite and tones the system.

Children like to take it, and it can even be given to infants.

DOES NOT AFFECT THE TEETH.

Does not Constipate or produce Gastric disturbance.

is a *Neutral, Organic* combination of the Peptonates of *Manganese and Iron* in the proportions as the Metals exist in the blood.

The Eminent Specialist, Dr. E. C. SPITZKA, says of it:

E. C. SPITZKA, M. D., 712 Lexington Ave. New York, Aug. 9, 1891.
M. J. BREITENBACH, Esq., City.

DEAR SIR:—The preparation of Manganese and Iron, (Pepto-Mangan) Liq. Mangano-Ferri Peptonatus ("Gude"), which you imported at my request, has been used by me in a large number of cases of *Nervous prostration* and other neuroses connected with *Anæmia* and menstrual disturbances.

I have seldom had so gratifying an experience with restorative or tonic preparations. Gude's preparation does not provoke gastric disorders or constipation, and has none of the disadvantages which often contra-indicate the use of Chalybeates.

The solution you obtained for me has proven equally successful in the hands of a number of my colleagues in other cities, and has, I believe, been ordered from Havana.

Yours truly,

E. C. SPITZKA.

N. B.—Above commendation given after 1 year's continual trial in a great variety of cases.

In prescribing please order the quantity of an original bottle, 3 xi.
Correspondence solicited. Literature furnished on application.

M. J. BREITENBACH COMPANY, Importers and Sole Agents,
56-58 Warren St., New York.

Orders may be sent to CHAS. TRUAX, GREENE & CO.



DRUGS AND CHEMICALS.

Prices include containers.

Subject to Market Changes.	QUININE, Hypophosphite, 1-oz vials.....oz	\$1 05
	Lactate 1-oz vials.....oz	97
	Muriate, 1-oz vials.....oz	74
	Phosphate, 1-oz vials.....oz	80
	Salicylate, 1-oz vials.....oz	74
	Sulphate (C. Truax, Greene & Co's.), 5-oz cans.....oz	25
	“ “ “ “ 1-oz bottle.....oz	30
	“ German 100-oz cans.....oz	23
	“ R & H., see page 216.	
	“ P. & W.'s, 1-oz vials.....oz	34
	“ “ 1-oz cans.....oz	32
	“ “ 5-oz cans.....oz	29
	Tannate, 1-oz vials.....oz	39
	Valerianate, ½-oz vials.....oz	1 06
	QUIN-QUINIA, 1-oz vials.....oz	75
RED PRECIPITATE.....lb	1 10	
RED SAUNDERS.....lb	10	
RESIN, Copaiba.....lb	1 20	
Jalap.....oz	50	
Scammony.....oz	45	
RESINOIDS AND ALKALOIDS,		
Ampelopsin.....oz	75	
Aletrin.....oz	38	
Alnuin.....oz	45	
Apocynin.....oz	90	
Asclepin.....oz	57	
Baptisin.....oz	57	
Barosmin.....oz	75	
Caulophyllin.....oz	38	
Cerasein.....oz	45	
Chelonin.....oz	75	
Chimaphilin.....oz	57	
Cimicifugin.....oz	34	
Collinsonin.....oz	90	
Cornin.....oz	38	
Corydalin.....oz	1 57	
Cypripedin.....oz	14	
Digitalin.....oz	68	
Dioscorein.....oz	75	
Euonymin.....oz	83	
Eupatorin (perfoliatum).....oz	38	
Eupurpurin.....oz	94	
Frazerin.....oz	45	
Gelsemin.....oz	1 13	
Geraniin.....oz	38	
Gossypin.....oz	1 13	
Hamamelin.....oz	50	
Helonin.....oz	1 13	



PALMETTO .. SUPPOSITORIES.. (VAGINAL)

Each Suppository Contains 15 grains Solid Extract Saw Palmetto.

AN ALMOST ABSOLUTE SPECIFIC FOR

**Vaginal and Uterine Diseases. Leucorrhoea, Ulceration, Prolapsus,
Chronic Inflammation, Irregular, Painful or Suppressed Menstruation
are quickly relieved by their use.....**

The specific action of Saw Palmetto on the Generative Organs is wonderful, and its full effects are more quickly gained in this form than any other way. Applied as directed the results are immediate. Inflammation is subdued, unhealthy discharges cease, and a healthy tonicity speedily follows.

In boxes of 1 doz. each,	-	50 cents per box:
One dozen boxes	- -	\$5.00.

Samples mailed on application. We shall be pleased also to forward if desired a complete catalogue of our Pharmaceutical Preparations and Specialties, embracing Pills, (sugar and gelatine coated), Tablets, Triturates, Fluid Extracts, Tinctures, etc., etc.

Norwich Pharmacal Co.

NORWICH, - N. Y.

Orders may be sent to CHAS. TRUAX, GREENE & Co.



DRUGS AND CHEMICALS.

Prices include containers.

RESINOIDS AND ALKALOIDS, Hydrastin.....	oz	\$1 13
Hydrastin, Muriate (Berberine Hydrochlorate).....	oz	1 50
Hydrastin, Phosphate (" Phosphate).....	oz	3 00
Hydrastin, Sulphate (" Sulphate).....	oz	3 00
Hyoscyamin.....	oz	1 32
Inulin.....	oz	75
Irisin.....	oz	45
Jalapin.....	oz	68
Juglandin.....	oz	45
Leptandrin.....	oz	30
Lobelin.....	oz	94
Lupulin.....	oz	30
Lycopin.....	oz	45
Macroton.....	oz	34
Menispermin.....	oz	49
Myricin.....	oz	38
Phytolaccin.....	oz	57
Podophyllin.....	oz	30
Populin.....	oz	38
Prunin.....	oz	38
Ptelein.....	oz	90
Rhein.....	oz	2 25
Rhusin.....	oz	49
Rumicin.....	oz	45
Sanguinarin.....	oz	49
Scutellarin.....	oz	75
Senecin.....	oz	64
Stillingin.....	oz	83
Trillin.....	oz	45
Veratrin.....	oz	94
Viburnin.....	oz	75
Xanthoxlin.....	oz	64
RESORCIN, pure, cryst.....	oz	28
RHEUMATIC ELIXIR, (see Elixirs.)		
Liniment (see Liniments.)		
RHUBARB, root, (E. I.).....	lb	75
" " powd.....	lb	80
" (China), select.....	lb	1 00
" " powd.....	lb	1 20
" " clippings.....	lb	60
" " cubes or fingers.....	lb	1 75
ROCHELLE SALTS, powd.....	lb	30
ROOTS, BARKS, LEAVES, ETC. A full line at market rates.		
ROSIN, common.....	lb	05
" 25-lb boxes.....	lb	03
" 50-lb boxes.....	lb	2 ¼
Powdered.....	lb	10
RUM, BAY, (see Bay Rum.)		



WILLIAMS'

Magnesium=Calcium Salts!

Are largely the Product of **Evaporated Alkaline Saline Spring Water**, containing no elements but those found in the water of the **Maglascal Spring**, of the following analysis:

	GRAIN.
Sodium Chloride.....	1.660
Potassium Sulphate.....	.235
Sodium Sulphate.....	.886
Magnesium Sulphate.....	6.970
Lime Sulphate.....	4.891
Magnesium bi-carbonate.....	37.410
Lime bi-carbonate.....	40.341
Iron bi-carbonate.....	.257
Alumina.....	1.423
Silica.....	.380
Organic Matter.....	.671
Solids of U. S. Gallon.....	95.624

V. COBLENTZ, Analyst.

The rapidity with which one preparation has succeeded another recommended to the Medical profession, for the cure of **Indigestion and Concomitants** by producing artificial digestion, and their unsatisfactory results prove the **Fallacy** of the theory.

THESE SALTS are presented to the Medical Profession by a Physician of 33 years' experience in active practice, after thorough and satisfactory tests by many **Reputable Physicians**, on the theory that the **Common Cause of Indigestion** and its **Concomitants** is excessive or **Perverted Acidity** of the **Digestive Fluids**; they are **HIGHLY CURATIVE** in **Disturbed Digestion** as indicated by **Sour Stomach**, (**Heartburn**) or **Bloating**, **Burning**, **Oppression**, **Soreness**, **Pain** or **Uneasiness** of **Stomach and Bowels**, **Headache**, **Constipation**, etc.

Their remedial properties depending in part upon their **Laxative Effects** carrying off the debris of arrested or disturbed digestion as well as relieving constipation, render them **Reliable** as a **Convenient**, **Pleasant** and **Safe Cathartic** in increased doses.

They relieve and cure **Headache** by their corrective influence upon the vitiated contents of the stomach, preventing the poisoned condition of Brain that results from their absorption and causes it.

As indicated by chemical analysis of the water from which they are derived they are **Highly Beneficial** in **Diseases of the Kidneys and Urinary Organs**. They may be administered either in powder or solution.

Dose, 10 to 30 grains in powder form, followed immediately by two or more swallows of water.

Convenient Formula for Solution.

℞ Mag. Cal. salts..... 4 dr.
Aqua. Pura..... 4 oz.
(SOLVE)

DOSE AFTER SHAKING, 1 to 4 teaspoonfuls.

As a Cathartic, 1 to 3 tablespoonfuls.

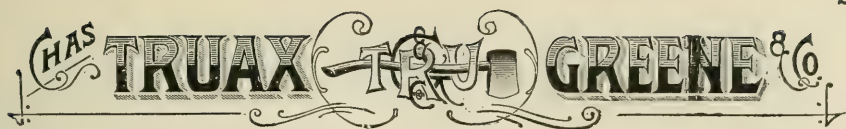
Put up only in bottles containing 2 oz. of the salts or 6 dozen 10 grain tablets.

THE MAGLASCAL CO.,

BELLEFONTAINE, O.

Prices furnished on application. Wholesale Druggists Supplied.

Orders may be sent to CHAS. TRUAX, GREENE & CO.



DRUGS AND CHEMICALS.

RUM, New England,
Jamaica, imported } See Wines and Liquors.
St. Croix

Prices include containers.

SACCHARINE, Refined (500 times sweeter than Sugar).....oz \$1 50
SACCHARINE, Purum (300 times sweeter than sugar).....oz 90

Saccharine is a white crystalline powder, sol. in 230. parts water, (solubility increased by Alkalis or Alkaline Carbonates), 100 parts Alcohol, Ether; non-fermentable, non-toxic, succedaneum for Cane-Sugar, also anti-fermentative. Used both in medicine, (Diabetes, Obesity, Costitis, Gastric and Intestinal Diseases, Etc.), and in the practical arts (Confectionery, Liquors, Etc.)
Literature on application. See adv.

SAFFRON, American.....lb 85
 " powd.....lb 1 20
 Spanish.....oz 75
SAGE LEAF, American.....lb 25
SAGO, Pearl, E. I.....lb 10
SAL, Acetosella.....lb 25
 Crab Orchard.....lb 25
 Epsom.....lb 05
 Epsom, 5 lbs or more.....lb 03
 Glauber.....lb 03
 Glauber, 5 lbs or more.....lb 02
 Nitro, pure, crystals.....lb 08
 Nitro, pure, granulated.....lb 10
 Prunelle.....lb 32
 Rochelle.....lb 30
 Soda.....lb 03
 Soda, 50-lb boxes.....lb 1½
 Tartar, bottle.....lb 23
SALS, Williams Magnesium Calcium, see page 212..... 6 00
SALICIN, oz 20, ¼-lb 50.....lb 1 85
SALITONIA (Saline tonic), powder or tablets, see page 142.....oz 1 00
SALOL, oz 35, ¼-lb \$1 20, ½-lb \$2 30.....lb 4 50
SALOPHEN, 1-oz cartons.....oz 1 00

Salophen is strongly recommended by recent observers as having a very remarkable controlling influence over acute, articular rheumatism. It is a new salicylo-phenolic derivative so combined as to be perfectly innocuous.

SALOPHEN, Pills and Tablets, see W. H. Schieffelin & Co on page 332.

SALT, Carlsbad, artificial, bulk.....lb 20
 " Genuine, ¼-lb bottles.....doz 7 00
 Crab Orchard, artificial.....lb 25
 Sea.....lb 05
SANGUINARINE, Nitrate, Merck's, 15-gr vial.....each 1 00
 Nitrate, commercial, ½ oz vial.....each 25
 Sulphate 15-gr vial.....each 1 00
SANTONIN.....oz 40
SARSAPARILLA, Honduras.....lb 45
 Honduras, ground.....lb 45
 " powd.....lb 50
 Mexican.....lb 24
 " ground.....lb 26 Powder.....lb 30

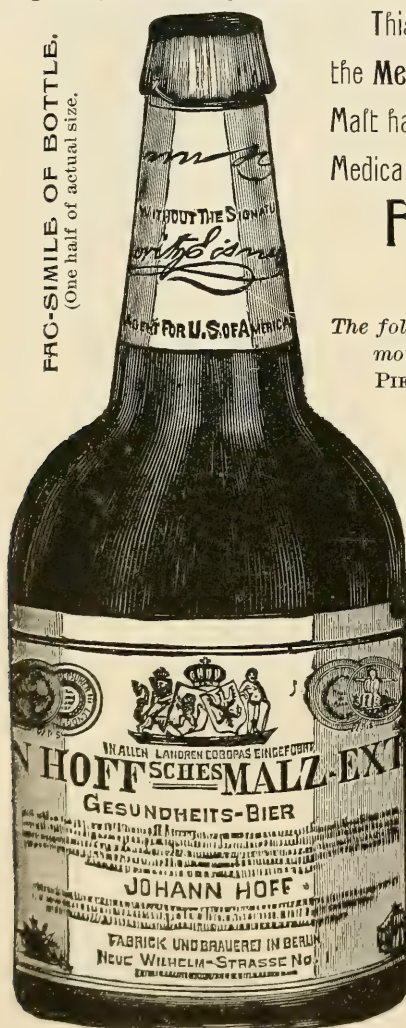


• THE GENUINE IMPORTED •

Johann Hoff's Malt Extract

is put up in this style only.

FAC-SIMILE OF BOTTLE.
(One half of actual size.)



This has been the first Malt Extract introduced to the Medical Profession (1847). No preparation of Malt has been so long and extensively employed as a Medical

Food Nutrient and Tonic.

The following is an abstract from the work on the Pulmonary Diseases published by Prof. PROSPER DE PIETRA SANTA, at Paris:

"As a large number of patients lack the necessary power to digest solid food, and would through the use of stimulants be merely excited and weakened, therefore I regard it of immense value to the practitioner to bring to his aid a nutritious tonic and remedy like the *Johann Hoff's Malt Extract*, which will act not only as a tonic, but as a nutrient as well, and which is less exciting than wine as a stimulant."

"I have, during the past eighteen months, made a number of examinations of the principal forms of Malt Extract in the market, and have satisfied myself that the *Johann Hoff's Malt Extract*, imported by Eisner & Mendelson Co., is a genuine Malt Extract, FREE FROM Salicylic Acid or other objectionable substances."

HENRY LEFFMANN, Philadelphia.

CAUTION.—A preparation bottled in New York is being sold as "Hoff's" Malt Extract. To obtain the genuine, original article, please specify "*Johann Hoff's Malt Extract*, imported by Eisner," which will prevent substitution.

The Genuine has the signature of "Johann Hoff" and "Moritz Eisner" on the neck of every bottle.

EISNER & MENDELSON CO.

Sole Agents for the U. S.

6 Barclay Street, New York.

Please Specify
"*Johann Hoff's*" Malt Extract,

Imported by "EISNER,"

When ordering the Genuine Article.

Orders may be sent to CHAS. TRUAX, GREENE & Co.



DRUGS AND CHEMICALS.

		Prices include containers.	
SASSAFRAS BARK.....	lb	\$0	15
" powd.....	lb		20
Pith.....	oz		10
SCULLCAP herbs, powd.....	lb		40
SEEDS, whole and powdered. A full line at market rates.			
SEIDLITZ Mixture.....	lb		30
Powders, full weight, per doz. boxes.....	2		25
SENOSINE.....	oz		80
SENEGA ROOT, powdered.....	lb		85
SENNA (Alex), leaf.....	lb		35
" powd.....	lb		40
(Tinnev), leaf.....	lb		30
" powd.....	lb		25
SERPENTARIA, root, powd.....	lb		45
SILVER, Bromide, Mallinckrodt's , 1-oz vials.....	oz	1	59
Cyanide, 1-oz vials.....	oz	1	54
Iodide, 1-oz vials.....	oz	1	54
Nitrate, Cryst.....	oz		60
" Cones (5 per cent. choride).....	oz		81
" fused (lunar caustic).....	oz		61
Oxide.....	oz	1	49
SOAP, Castile, mottled.....	lb		10
" white, "Condi's".....	lb		15
" " powd.....	lb		35
" " Palestine "Carmel" (6 cakes in box).....	doz	1	00
Green, German, 1-lb cans.....	lb		20
Pine Tar, Constantine's.....	doz	1	50
Sulphur, Glenn's.....	doz	2	00
Toilet, all brands supplied at market rates.			
SOAP TREE, bark, powd.....	lb		20
SODA, Caustic, sticks, 1-lb bottles.....	lb		50
" (purif. by alcohol), 1-lb bottles.....	lb		94
Solution, Chlorinated, 1-lb bottles.....	lb		20
" U. S. P., 1-lb bottles.....	lb		25
SODIO-FERRIC SALICYLATE, solution.....	lb		75
Formula :			
Sodium Salicylate.....	240	gr	
Tr. Chloride of Iron.....	4	fl. drachms	
Ol. Wintergreen.....	20	minims	
Citric Acid.....	10	gr	
Glycerine.....	2	fl. ounces	
Liq. Am. Citratis B. P., enough to make			
4 fl. ounces.			
SODIUM, 1-oz vials, oz., 40 cts.....	lb	2	75
Acetate, Mallinckrodt's	lb		25
Acetate, Fused, Anhydrous.....	oz		14
Arseniate, Mallinckrodt's , 1-oz vials.....	oz		14



The Roessler & Hasslacher Chemical Co.

MANUFACTURING
AND IMPORTING CHEMISTS.

PURIFIED CHLOROFORM, U. S. P.

MANUFACTURED FROM LECTONE
UNDER U. S. PATENT No. _____

SULPHATE OF QUININE, U. S. P.

GOLD
AND SILVER BRAND.

ACETANILID, CHLORAL HYDRATE,

..... ETC., ETC.

Factory: PERTH AMBOY, N. J.

73 PINE STREET,

NEW YORK, N. Y.

Orders may be sent to CHAS. TRUAX, GREENE & CO.



DRUGS AND CHEMICALS.

Prices include containers.

SODIUM, Arsenite, 1-oz vials.....	oz	\$0 14
Benzoate, 1-oz vials.....	oz	14
Benzoate, 1-lb bottles.....	lb	1 00
Biborate, pure.....	lb	37
Bicarbonate, English.....	lb	06
Bicarbonate, Natrona.....	lb	06
Bicarbonate, C. P., powd.....	lb	27
Bichromate, 1-lb bottles.....	lb	33
Bisulphite, 1-lb bottles.....	lb	34
Bisulphite, solution.....	lb	30
Bromide, 1-lb bottles.....	lb	55
Carbolate, 1-oz vials.....	oz	24
Carbonate, pure cryst.....	lb	12
Carbonate, dried, purified.....	lb	22
Chlorate, 1-oz vials.....	oz	10
Chlorate, pure, granulated.....	oz	10
Chlorate, pure, granulated.....	lb	47
Chloride, chemically pure.....	lb	32
Choleate, 1-oz vials.....	oz	35
Citrate, Mallinckrodt's	lb	76
Hypophosphite, 1-oz vials.....	oz	19
Hyposulphite.....	lb	07
Hyposulphite, gran., C. P.....	lb	22
Iodide, 1-oz vials.....	oz	36
Iodide, 1-lb bottles.....	lb	3 88
Nitrate, gran., pure, 1-lb bottles.....	lb	34
Nitrate, purified, powd.....	lb	27
Nitrite, pure, in sticks.....	oz	19
Oxalate, 1-lb bottles.....	lb	84
Permanganate, 1-lb bottles.....	lb	84
Phosphate, pure, recryst.....	lb	28
Phosphate, gran., Mallinckrodt's	lb	35
Phosphate, dried, powd.....	lb	33
Phosphate and Ammonia.....	lb	1 19
Pyrophosphate, 1-oz vials.....	oz	21
Pyrophosphate, 1-lb bottles.....	lb	79
Salicylate, 1-oz vials.....	oz	21
Salicylate, ¼-lb bottles.....	each	45
Salicylate, ½-lb bottles.....	each	80
Salicylate, 1-lb bottles.....	lb	1 55
Salicylate, Scherring's.....	lb	2 50
Santonate.....	oz	49
Silicate, sol.....	lb	18
Succinate, 1-oz vials.....	oz	24
Sulphate, pure, granulated.....	lb	34
Sulphate, pure, cryst.....	lb	34
Sulphide, cryst.....	lb	70
Sulphite, cryst.....	lb	22

CHAS. TRUAX & CO. GREENE



The Demand For

a pleasant and effective liquid laxative has long existed—a laxative that would be entirely safe for physicians to prescribe for patients of all ages—even the very young, the very old, the pregnant woman, and the invalid—such a laxative as the physician could sanction for family use, because its constituents were known to the profession and the remedy itself has been proven to be prompt and reliable in its action, as well as pleasant to administer and never followed by the slightest debilitation. After a careful study of the means to be employed to produce such

SYRUP of FIGS. A Perfect Laxative

the California Fig Syrup Company manufactured, from the juice of True Alexandria Senna and an excellent combination of carminative aromatics with pure white sugar, the laxative which is now so well and favorably known under the trade name of “Syrup of Figs.” With the exceptional facilities, resulting from long experience and entire devotion to the one purpose of making our product unequalled, this demand for the perfect laxative

is met by Our Method

of extracting the laxative properties of Senna without retaining the griping principle found in all preparations or combinations of this drug. This method is known only to us, and all efforts to produce cheap imitations or substitutes may result in injury to a physician's reputation, and will give dissatisfaction to the patient; hence, we trust that when physicians recommend or prescribe “Syrup of Figs” (Syr. Fici Cal.) they will not permit any substitution. The name “Syrup of Figs” was given to this laxative, not because in the process

of Manufacturing

a few figs are used, but to distinguish it from all other laxatives, and the United States Courts have decided that we have the exclusive right to apply this name to a laxative medicine. The dose of

“SYRUP OF FIGS”

as a laxative is one or two teaspoonfuls given preferably before breakfast or at bed time. From one-half to one tablespoonful acts as a purgative, and may be repeated in six hours if necessary.

“Syrup of Figs” is never sold in bulk. It is put up in two sizes to retail at fifty cents and \$1.00 per bottle, and the name “Syrup of Figs” as well as the name of the California Fig Syrup Company is printed on the wrappers and labels of every bottle.

CALIFORNIA FIG SYRUP COMPANY

SAN FRANCISCO, CAL.

LOUISVILLE, KY.

NEW YORK, N. Y.

Orders may be sent to CHAS. TRUAX, GREENE & CO.



DRUGS AND CHEMICALS.

Prices include containers.

SODIUM, Sulphite, dried, powd.....	lb	\$0 22
Sulpho-Carbolate, 1-oz vials.....	oz	13
Sulpho-Carbolate.....	lb	1 00
Sulpho-Vinate.....	oz	16
Tannate, 1-oz vials.....	oz	29
Tartrate.....	lb	64
Tungstate, pure, 1-oz vials.....	oz	11
Valerianate, Mallinckrodt's	oz	82
SOLOMON'S SEAL, root, powd.....	lb	30
SOMNAL, 1-oz vials.....	oz	80
SOZOIODOL, Mercury.....	oz	1 00
Potassium.....	oz	70
Sodium.....	oz	75
Zinc.....	oz	95
SPARTEIN, Sulphate, cryst, Merck's 1-oz vials.....	oz	3 04
" " " " 15-gr vials, each.....		20
SPERMACETI.....	lb	40
SPIKENARD, root, powd.....	lb	30
SPIRIT Ammonia, $\frac{1}{4}$ lb., 15 cts.....	lb	55
" Aromatic, $\frac{1}{4}$ lb., 20 cts.....	lb	60
Anise, $\frac{1}{4}$ lb., 25 cts.....	lb	75
Almonds, bitter, $\frac{1}{4}$ lb., 25 cts.....	lb	75
Aromatic.....	lb	50
Camphor, $\frac{1}{4}$ lb., 20 cts.....	lb	50
Cardamom Comp., $\frac{1}{4}$ lb., 25 cts.....	lb	75
Chloroform, $\frac{1}{4}$ lb., 20 cts.....	lb	60
Cinnamon, $\frac{1}{4}$ lb., 20 cts.....	lb	60
Ether Comp. (Hoffman's Anodyne) true, $\frac{1}{4}$ lb., 30 cts.....	lb	1 00
" " Com'l., $\frac{1}{4}$ lb., 20 cts.....	lb	60
" Nitrous (Sweet Spirits of Nitre).....	lb	50
" " " " " gal.....		3 50
Glonoin (Nitroglycerin 1 per cent), 1 oz., 15 cts.; $\frac{1}{4}$ lb., 35 cts.....	lb	1 10
Juniper.....	lb	50
" Comp.....	lb	45
Lavender.....	lb	55
" Comp.....	lb	60
Lemon, $\frac{1}{4}$ lb., 25 cts.....	lb	75
Mindererus.....	lb	30
Orange, $\frac{1}{4}$ lb., 25 cts.....	lb	75
Peppermint, $\frac{1}{4}$ lb., 25 cts.....	lb	80
Phosphorus (See Tincture Phosphorus Co.)		
Turpentine (See Turpentine).		
Wintergreen, $\frac{1}{4}$ lb., 25 cts.....	lb	75
SQUILL, sliced.....	lb	15
Powd.....	$\frac{1}{4}$ lb., 16, 1 lb	50
STARCH, iodized, 1 oz. vials,.....	oz	34
STILLINGIA ROOT, grd.....	lb	25
Powd.....	lb	30



WAMPOLE'S AS-PAR-O-LINE COMPOUND.

**A
NEW
PREPARA-
TION.**

A remedy for Dysmenorrhea, Amenorrhea, Leucorrhea and kindred diseases, where the Uterine Organs are involved, acting as a Uterine Tonic and Invigorator; also as an Anti-Spasmotic, exerting a calmative influence, especially in Dysmenorrhea, where the menstruation is irregular and painful, affording relief without the least disturbance of the stomach.

Each fluid ounce containing: Diluted Alcohol; Guaiacum, 30 grains; Asparagus Seed, 30 grains; Parsley Seed, 30 grains; Black Haw (Bark of Root), 60 grains; Henbane Leaves, 6 grains.

Wampole's Perfected and Tasteless Preparation of Cod Liver Oil.

Combined with Extract of Malt, Fluid Extract of Wild Cherry Bark and Syrup Hypophosphites Compound (containing Lime, Soda, Potassium, Iron, Manganese, Quinine and Strychnia).

Containing the curative agents from 25 per cent. Pure Norwegian Cod Liver Oil. Rendered pleasant and agreeable by the addition of choice Aromatics. For full directions see circular surrounding bottle.

We invite your attention to the "fac-simile" of an Analysis made by Charles M. Oresson, M. D., certifying to the value and efficacy of this Preparation, and which we have printed on the back of our Circular.

NUTRITIVE.

TONIC.

STIMULANT.

Put up in pound bottles.

\$8.00 Per Dozen, Net.

Put up in 5-pint bottles for convenience in dispensing, and as a regular stock bottle.

5-Pint Bottles, each \$3.00 Net.

Wampole's Hypno-Bromic Compound.

(TRADE MARK.)

TRUE HYPNOTIC

Each fluid drachm contains 15 grs. Chloral Hydrate C. S., 7½ grs. Potass. Bromide C. S., ¼ gr. Ext. Hyoscyamus, ¼ gr. Ext. Cannabis. Indica, each imported, 1-16 gr. Morph. Sulphate C. S., pleasantly flavored and can be readily taken

INDICATIONS.—Sleeplessness, Functional, Nervous Disorders, Spasms, Epilepsy, Acute and all forms of Mania, Neuralgia and allied Affections, Hysteria and all Ailments requiring a true Hypnotic preparation in their treatment.

PUT UP IN:—

¼-lb. Bottles.....	@	\$ 7 00	Per Dozen Net,
½-lb. "	@	12 00	" " "
1-lb. "	@	24 00	" " "

Wampole's Glycerine Suppositories.

In a New and Original Package

Each Suppository being placed in a glass tube, corked at both ends, assuring cleanliness, absolute protection from heat and moisture, and thus enabling us to guarantee them to retain their shape, and not to undergo any change whatever.

One dozen tubes in each box. Weight of each Suppository, 60 grains, containing 98 per cent. chemically pure Glycerine. Guaranteed non-irritating.

Per Dozen Boxes, \$3.00 Net.

Literature and Samples cheerfully furnished to Physicians on application, free.

PREPARED BY

HENRY K. WAMPOLE & CO., Pharmaceutical Chemists,

Philadelphia, Pa.

SUPPLIED BY CHAS. TRUAX, GREENE & CO.



DRUGS AND CHEMICALS.

Prices include containers.

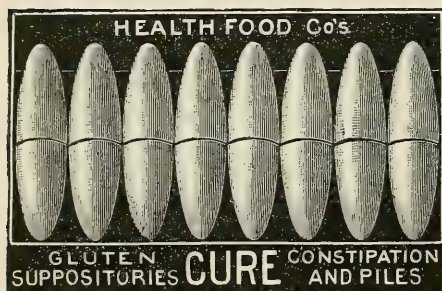
STILLINGIN, Resinoid.....	oz	\$0 83
STRAMONIUM, leaf, powd.....	lb	30
Seed, powd.....	lb	30
STRONTIUM, Bromide, Cryst, Mallinckrodt's	oz	26
Carbonate.....	lb	54
Iodide.....	oz	67
Lactate.....	oz	34
Muriate.....	lb	39
Nitrate.....	lb	10
STROPHANTHIN, 5 gr., v.....	each	2 00
STRYCHNINE, crystals, Mallinckrodt's , 1 oz. vials.....	oz	1 45
" " $\frac{1}{8}$ oz. vials.....	each	20
" powd., 1 oz. vials.....	oz	1 45
" " $\frac{1}{8}$ oz. vials.....	each	20
Acetate, $\frac{1}{8}$ oz. vials.....	each	25
" solution (Hall's).....	lb	40
Arsenate, $\frac{1}{8}$ oz. vials.....	each	40
Arsenite, $\frac{1}{8}$ oz. vials.....	each	50
Bromide, $\frac{1}{8}$ oz. vials.....	each	30
Citrate, $\frac{1}{8}$ oz. vials.....	each	30
Hypophosphite, $\frac{1}{8}$ oz. vials.....	each	35
Muriate, $\frac{1}{8}$ oz. vials.....	each	25
Nitrate, $\frac{1}{8}$ oz. vials.....	each	25
Phosphate, $\frac{1}{8}$ oz. vials.....	each	30
Sulphate, crystals, Mallinckrodt's , 1 oz. vials.....	oz	1 40
" " $\frac{1}{8}$ oz. vials.....	each	20
" powd., 1 oz. vials.....	oz	1 40
" " $\frac{1}{8}$ oz. vials.....	each	20
Valerianate, $\frac{1}{8}$ oz. vials.....	each	50
SUGAR LEAD, white, bulk.....	lb	20
" powd., bulk.....	lb	30
SUGAR MILK, powd.....	lb	25
SULFONAL, Bayer, 1 oz. cartons.....	each	1 35
<p>Sulfonal is a true, safe, effective and well-tried hypnotic and sedative in insomnia and the neuroses. It induces physiological sleep, free from narcosis, and without sequelae. It must be given according to directions.</p>		
<p>Sulfonal, Bayer, pills and tablets, see lists of W. H. Schieffelin & Co., on pages 332 to 338.</p>		
SULPHAMINOL (Thio-oxy-di-phenyl-amine), Merck , $\frac{1}{8}$ oz.....	oz	2 00
<p>Light yellow powder. SOL.: in A.; insol in W. External and internal Antiseptic. Non-poisonous succedaneum for iodoform (laryngeal phthisis, purulent processes in the mouth, wounds, ulcers, cystitis, etc.) APPLIC.: pure. DOSE: 0.25 gramme (3$\frac{1}{4}$ grs.) 4 times daily. (Also a reliable apiarian remedy in "Rottenbrood" of bees)</p>		
SULPHUR, sublimed (flowers of sulphur).....	lb	05
Iodide, Mallinckrodt's	oz	47
Precipitated, pure (Lac. Sulphur), bulk.....	lb	15
" " 1 lb. cartons.....	lb	18
Washed, 1 lb. cartons.....	lb	15



A PHYSIOLOGICAL SUBSTITUTE FOR

LAXATIVES AND CATHARTICS

As well as a Quick Relief and Ultimate Cure for
Constipation and Hemorrhoids.



The attention of Physicians and Chemists is earnestly called to a purely scientific Physiological Remedy for Intestinal Torpor.

By the use of this Local Nutrient the employment of drastic medicines is rendered unnecessary in thousands of cases, and thus the stomach and alimentary canal are spared the depressing effects invariably following catharsis. The fact has long been established that nearly every case of constipation and piles may be permanently cured by the use of this remedy, which was first given to the public in 1875 by the Health Food Co., whose re-

searches in the realm of albuminous nutrients is well known to physicians all over the world, and who were the first to establish the now understood fact that suitable Rectal feeding is competent to cure most cases of constipation by increasing the nutrition of the parts, thus inducing desire and strengthening the power of expulsion.

From thousands of commendatory letters from physicians and others we extract the following.

DR. A. W. THOMPSON, Northampton., Mass., says: "I have tested the Gluten Suppositories, and consider them valuable, as, indeed, I expected from the excellence of their theory."

DR. WM. TOD HELMUTH declares the Gluten Suppositories to be the "best remedy for Constipation which I have ever prescribed."

"As Sancho Panza said of sleep, so say I of your Gluten Suppositories: God bless the man who invented them!"—E. L. RIPLEY, Burlington, Vt.

"I have been a constipated dyspeptic for many years, and the effect has been to reduce me in flesh, and to render me liable to no little nerve prostration and sleeplessness, especially after preaching or any special mental effort. The use of Gluten Suppositories, made by the Health Food Co., 61 Fifth Avenue, New York, has relieved the constipated habit, and their Gluten and Brain Food have secured for me new powers of digestion, and the ability to sleep soundly and think clearly. I believe their food-remedies to be worthy of the high praise which they are receiving on all sides."—REV. JOHN H. PATTON, Mich.

"I cannot speak too highly of the Health Food Company's Gluten Suppositories, as they have been a perfect God-send to me. I believe them superior to anything ever devised for the relief of constipation and hemorrhoids. I have suffered from these evils more than twenty years, and have at last found substantial relief through the use of the Gluten Suppositories."—CYRUS BRADBURY, Hopedale, Mass.

"I prescribe the Gluten Suppositories almost daily in my practice, and am often astonished at the permanent results obtained."—J. MONTFORD SCHLEY, M. D., Professor Physical Diagnosis, Woman's Medical College, New York City.

"I have been using them with excellent results."—F. H. WILLIAMS, M. D., Trenton, N. J.

"Have used a half dozen, and never had anything give me so much satisfaction."—A. P. CHALTON, M. D., Jenneville, Pa.

"I have used your Gluten Suppositories in my family with great satisfaction."—S. B. COWLES, President Pacific Bank, Clarks, Nebraska.

"I have had some very satisfactory experience in the treatment of constipation with your Wheat Gluten Suppositories."—CHARLES W. BENEDICT, M. D., Findlay, Ohio.

There are two sizes made, Number 1 for Adults, Number 2 for Babies and Children under Five.

Price 50 cents. Free by Mail.

A free sample box, one-half the standard size, sent free to all who send our request-coupon to our New York office only. Physicians ordering, will please state whether for infants or adults.

HEALTH FOOD COMPANY,

61 Fifth Avenue, cor. 13th St., New York City; 199 Tremont Street, Boston, Mass.

Western Agency, 1601 Wabash Ave., Chicago.

Orders may be sent to CHAS. TRUAX, GREENE & Co.



SUPPOSITORIES.

Manufactured from pure Cocoa Butter, as per following formulas. The prices quoted are for any formula excepting those containing expensive ingredients, for which a reasonable advance will be charged. No orders accepted for less than one dozen of any one kind.

SUPPOSITORIES, any formula, 1 doz. in box, per box, 50c; 25 in box, per box, 75c; 100 in box, per box, \$2.50.

	Grains.		Grains.
1 Acidi Carbolici.....	1	40 Opium.....	2
2 Belladonna Extract.....	$\frac{1}{4}$	40 Plumbi Acetas.....	2
3 Belladonna ".....	$\frac{1}{2}$	41 Opium.....	2
4 Belladonna ".....	1	41 Plumbi Acetas.....	5
5 Belladonna ".....	$\frac{1}{2}$	41 Opium.....	1
5 Hyoseyami ".....	2	42 Plumbi Acetas.....	1
6 Belladonna ".....	$\frac{1}{4}$	42 Tannin.....	4
6 Plumbi Acetas.....	$1\frac{1}{2}$	43 Opium.....	$\frac{1}{2}$
7 Belladonna Extract.....	$\frac{1}{2}$	43 Belladonna Extract.....	$\frac{1}{4}$
7 Plumbi Acetas.....	3	44 Opium.....	1
8 Hydrastis Extract.....	5	44 Belladonna Extract.....	$\frac{1}{2}$
9 Hyoseyami ".....	3	45 Opium.....	2
10 Hyoseyami ".....	5	45 Belladonna Extract.....	$\frac{1}{2}$
10 Iodini.....	1	46 Opium.....	$\frac{1}{2}$
11 Chloral Hydrate.....	1	46 Belladonna Extract.....	3
11 Acidi Carbolici.....	1	47 Opium Aqueous Extract.....	$\frac{1}{2}$
12 Iodoform.....	1	47 Belladonna Extract.....	$\frac{1}{4}$
13 Iodoform.....	2	48 Opium Aqueous Extract.....	1
14 Iodoform.....	4	48 Belladonna Extract.....	$\frac{1}{2}$
14 Iodoform.....	2	49 Opium Aqueous Extract.....	2
15 Belladonna.....	$\frac{1}{2}$	49 Belladonna Extract.....	$\frac{1}{2}$
15 Hyoseyami.....	1	50 Opium Aqueous Extract.....	2
16 Morphia Acetas.....	$\frac{1}{2}$	50 Belladonna Extract.....	1
17 Morphia ".....	$\frac{1}{4}$	51 Opium.....	1
18 Morphia ".....	$\frac{1}{2}$	51 Ergot.....	3
19 Morphia ".....	1	52 Opium Aqueous Extract.....	1
20 Morphia Sulphas.....	$\frac{1}{2}$	52 Hyoseyami Extract.....	2
21 Morphia ".....	$\frac{1}{4}$	53 Opium Aqueous Extract.....	2
22 Morphia ".....	$\frac{1}{2}$	53 Hyoseyami Extract.....	4
23 Morphia ".....	1	54 Opium.....	1
24 Morphia ".....	$\frac{1}{4}$	54 Ipecac.....	1
24 Belladonna Extract.....	$\frac{1}{2}$	55 Opium.....	1
24 Morphia Sulphas.....	$\frac{1}{2}$	55 Ipecac.....	2
25 Belladonna Extract.....	$\frac{1}{2}$	56 Opium.....	1
25 Hyoseyami ".....	2	56 Tannin.....	2
26 Opium.....	$\frac{1}{2}$	57 Opium.....	1
27 Opium.....	1-6	57 Tannin.....	5
28 Opium.....	$\frac{1}{4}$	58 Opium.....	2
29 Opium.....	$\frac{1}{2}$	58 Tannin.....	2
30 Opium.....	1	59 Opium.....	2
31 Opium.....	2	59 Tannin.....	5
32 Opium.....	3	60 Quinine Sulphas.....	1
33 Opium.....	4	61 Quinine ".....	2
34 Opium Aqueous Extract.....	$\frac{1}{4}$	62 Quinine ".....	3
35 Opium ".....	$\frac{1}{2}$	63 Quinine ".....	5
36 Opium ".....	1	64 Stramonium Extract.....	1
37 Opium ".....	2	64 Plumbi Acetas.....	2
38 Opium.....	1	65 Stramonium Extract.....	1
38 Plumbi Acetas.....	2	65 Tannin.....	5
39 Opium.....	1		
39 Plumbi Acetas.....	5		



GARDNER'S . . .

CHEMICALLY PURE

Hypophosphite Syrups

EACH SALT SEPARATE.

Lime - Soda - Iron - Potassa - Manganese

Elixir Quinine Hypophos.

GARDNER'S

Syrup Hydriodic Acid.

(HYDROGEN IODIDE.)

NON-IRRITANT IODINE.

Syrup Hydriodic Acid

WAS INTRODUCED BY R. W. GARDNER (ITS
ORIGINATOR) IN 1878.

IF YOU WANT RELIABLE RESULTS

SPECIFY GARDNER'S.

Do not Allow the Druggists to substitute Cheap Imitations.

Literature sent on Application to R. W. GARDNER, 158 William St., N. Y.



SUPPOSITORIES.

	Grains.		Grains.
66 { Stramonium Extract.....	$\frac{1}{2}$	72 { Tannin.....	5
Tannin.....	$\frac{1}{2}$	Belladonna Extract.....	$\frac{1}{2}$
Plumbi Carbonate.....	1	Morphia Sulphate.....	$\frac{1}{4}$
Creasote.....	$\frac{1}{2}$	Plumbi Iodidi.....	3
Liquor Plumbi Subacet.....	2	73 { Ulmi.....	5
67 Tannin.....	2	Belladonna Extract.....	$\frac{1}{4}$
68 Tannin.....	5	Iodoform.....	2
69 Tannin.....	10	74 { Ergotine.....	3
70 { Tannin.....	2	Stramonium Extract.....	$\frac{1}{2}$
Belladonna Extract.....	$\frac{1}{4}$	75 Cocaine.....	$\frac{1}{2}$
71 { Tannin.....	3	Private Formulas manufactured to order.	
Stramonium Extract.....	$\frac{1}{2}$		

SUPPOSITORIES, Cocaine Compound, S. B. Med. Co., per dozen boxes.....	\$5 00
Glycerin (Wampole's) 1 doz. in box, per dozen boxes.....	3 00
Glycerin (Wyeth's), 1 doz. in bottle, per dozen bottles.....	2 00
Palmetto (Vaginal), in boxes of 1 doz. each, per box, 50c; per doz boxes.....	5 00
GLUTEN, see page 222	doz 4 50

	1-pt. bots.	5-pt bots.	Gal. bots.
SYRUP, Acacia.....	\$0 50	\$2 00	\$3 00

Alterative Comp., improved (Trifolium Comp.)....	60	2 40	3 75
--	----	------	------

Each fluidounce represents the active constituents of Smilax Sarsaparilla, 16 grains; Stillingia Sylvatica, 16 grains; Lappa Officinalis, 16 grains; Phytolacca Decandra, 16 grains; Trifolium Pratense, 35 grains; Berberis Aquifol, 16 grains; Cascara Amarga, 16 grains; Xanthoxylum Fraxineum, 4 grains; Potassi Iodidum, 8 grains.

This combination is an improvement on, and has been found superior in efficacy to the usual preparation of Alterative Compound, which has acquired much notoriety as a specific in Syphilitic diseases.

Aromatic.....	\$0 25	\$1 00	\$1 50
Blackberry Root, Aromatic.....	65	2 60	4 00
Citric Acid.....	25	1 00	1 50
Dover's Powder.....	70	3 00	4 50

Each fluidrachm contains the active principles of 10 grains of Dover's Powder.

Ginger, U. S. P.....	40	1 50	2 25
Hydriodic Acid, U. S. P.....	65	2 60	4 00
Hypophosphites, ".....	40	1 50	2 25

A compound syrup of the Hypophosphites of Calcium, Sodium and Potassium, made according to the excellent formula of Dr. Churchill, which is now officinal, having been incorporated in the 1880 edition of the U. S. Pharmacopœia. It is a valuable, nutrient tonic, indicated in tuberculous, scrofulous and glandular diseases.

Hypophosphites Comp. (Hæmatic).....	45	1 65	2 50
-------------------------------------	----	------	------

Each fluidounce contains

Calcium hypophosphite.....1 gr
 Potassium hypophosphite.....1½ gr
 Manganese hypophosphite.....1 gr
 Iron hypophosphite.....1½ gr
 Quinine hypophosphite.....7-16 gr
 Strychnine hypophos.....1-16 gr



SYR. ACID HYDRIODIC — HOSTELLEY'S —

THE FINEST PREPARATION OF HYDRIODIC ACID ON THE MARKET

PREPARED BY A NEW PROCESS

And preserved in *Glycerine*, it is generally recognized as the highest expression of pharmaceutical skill in the manufacture of this delicate product. As offered in the Hostelley preparation it will keep for almost an indefinite period, and presents *Iodine* in its most eligible form for internal absorption

IT IS SUPERIOR TO IODIDE OF POTASSIUM,

Ammonium, Sodium and all other Iodides, as it is more readily absorbed and does not produce the evil effects which so frequently accompany or follow the use of the alkaline iodides, as nausea, anorexia, irritation of mucous coating, etc. In fact *Hostelley's Syrup of Hydriodic Acid* is in the truest sense . . .

NON-IRRITANT IODINE

AS AN ALTERATIVE

In conditions suited to its use, the Syrup will be found prompt and efficient, and is so agreeable to the taste that it is readily accepted by the most fastidious, while its slight acid reaction rather promotes digestion than retards it, as do the alkaline iodides. In fact it seldom fails to sharpen the appetite and promote assimilation, displaying this property to a marked degree, even in cases where other treatment fails to produce the desired results

INDICATIONS:—Strumous Conditions, Asthma, Chronic Bronchitis, Psoriasis, Catarrhal Conditions, Sciatica, Lead Poisoning, Hay Fever, Spinal Sclerosis, Glandular Enlargements, Syphilis, Rheumatism, Adenitis and all conditions wherein IODINE in its other and less elegant forms is used with advantage.

USUAL DOSE:—One teaspoonful three or four times daily, in water.

Half pound sample by paying Express charges. Literature.

... W. H. HOSTELLEY & CO., Chemists,

HOSTELLEY'S

HYPOPHOSPHITES

PHILADELPHIA, PA.



DRUGS AND CHEMICALS.

Prices include containers.

	1-pt. bts. each.	5-pt. bts. each.	Gal. bts. each.
SYRUP, Hypophosphites Comp. (Truax')	\$0 55	\$2 30	\$3 50
A Syrup of Hypophosphite, Comp., with Iron, Quinine, Manganese and Strychnine. Each fluidrachm contains			
Hypophosphite Calcium.....2 grs.			
“ Sodium.....1 “			
“ Potass.....1 “			
“ Iron.....1-8 “			
“ Manganese...1-8 “			
“ Quinine.....1-16 “			
“ Strychnine.1-128 “			
The value of this combination as a general tonic and restorative in wasting or debilitating diseases is too well known to require any statement of its therapeutics. We do, however, desire to call particular attention to this syrup because of its superiority in stability, elegance, palatability and nutritive properties.			
Hypophosphite Lime.....	50	2 00	3 00
Hypophosphites Lime and Soda.....	50	2 00	3 00
Iodide of Iron, U. S. P.	65		
Iodide of Iron, tasteless.....	75	3 25	
Ipecac, U. S. P.....	65	2 75	4 00
Lactophosphates, Compound.....	75	3 25	5 00
(Iron, Lime, Manganese, Soda and Potass.)			
Lactophosphate Lime, U. S. P.....	75	3 25	5 00
Lemon, U. S. P.....	50	2 00	3 00
Licorice Root.....	50	2 00	3 00
Each fluidounce contains 120 grains Russian Licorice Root.			
Mitchella Comp., A. D.....	50	2 00	3 00
“ “ (Maynard's).....	65	2 60	4 00
Each fluidrachm represents the active con- stituents of Viburnum Prunifolium, 5 grains; Cimicifuga Racemosa, 3 grains; Senecio Grac., 5 grains; Hyos- cyamus Nig., 4 grains; Mitchella Repens, 5 grains; combined with Brandy and Aromatics.			
Orange Peel, U. S. P.....	40	1 50	2 25
Phosphates Comp. (Chemical Food).....	60	2 40	3 75
Phosphates, Iron, Quinine and Strychnia.....	65	2 75	4 25
Rhubarb, U. S. P.....	50	2 00	3 00
“ Aromatic, U. S. P.....	50	2 00	3 00
“ et Potass (Neutralizing Cordial).....	50	2 00	3 00
Prepared from the best India Rhubarb, Bi-carbonate of Potash, Golden Seal and Aromatics with Syrup. An elegant and agreeable laxative, antacid and tonic. Useful in diarrhœa, dysentery, cholera-morbus and cholera-infantum, in which diseases it acts almost as a specific and is invaluable in their treatment. Also very useful in habitual constipation, acidity of the stomach, dyspepsia, and in the constipation of pregnancy, especially when hemorrhoids are present (See also Alkaline Cordial.)			
Sarsaparilla Comp., U. S. P.....	50	2 00	3 00
Sarsaparilla and Iodide Lime.....	60	2 40	3 75
“ “ Potassium.....	65	2 60	4 00
Senna.....	50	2 00	3 00
Senega, U. S. P.....	70	3 00	4 50
Simplex, “.....	20	75	1 00



SYRUPUS ROBORANS.

A WORD OF CAUTION.

When **Syrupus Roborans** was first offered to the medical profession there was no similar formula made by other pharmacists in which the salts were held in perfect solution, and not until **Syrupus Roborans** was endorsed and prescribed by leading physicians in every part of the United States, were substitutes offered which have but little or no therapeutic value, and when given instead of **Syrupus Roborans** results were not obtained that ought to be gotten from the true salts of the Hypophosphites. Our attention has been called to this substitution, hence, we request that physicians using **Syrupus Roborans** will see that no valueless substitute is given instead of the article prescribed. **Syrupus Roborans** is a perfect Solution and will keep in any climate.

Syrupus Roborans as a Tonic during Convalescence has no Equal.

As a nerve stimulant and restorative in wasting and debilitating diseases, as a constructive agent in Insomnia, Pneumonia, Tuberculosis, Bronchial Asthma, Marasmus, Strumous Diseases and General Debility, this compound has no superior.

Owing to the solubility of the salts, additions can be made of Fowler's Solution, Syrup Iod. Iron, Iod. Potass., etc., giving the advantages of these remedies without interfering with the stability of the preparation.

Dr. T. H. STUCKY writes:—In a case of Tertiary Syphilis, very anæmic, the Iodides were revolting to the stomach, being vomited when taken. **Syrupus Roborans** given three weeks with improvement, when the Iodide Potassium was retained with good results.

Dr. W. O. ROBERTS says:—In cases convalescing from "La Grippe," **Syrupus Roborans** has no equal.

PETER'S PEPTIC ESSENCE.

A POWERFUL DIGESTIVE FLUID IN PALATABLE FORM.

Containing *Pure Pepsin, Pure Pancreatin, Pure Diastase and Pure Lactic and Hydrochloric Acids*. These are preserved in solution with *C. P. Glycerine* in a manner retaining their full therapeutic value, which is exerted in and beyond the stomach.

It is a Stomachic Tonic, and relieves Indigestion, Flatulency, and has the remarkable property of arresting vomiting during pregnancy. It is a remedy of great value in Gastralgia, Enteralgia, Cholera Infantum, and intestinal derangements, especially those of an inflammatory character. For nursing mothers and teething children it has no superior.

Besides mere digestive properties, Pepsin and Pancreatin have powerful soothing and sedative effects, and are therefore indicated in all gastric and intestinal derangements, and especially in inflammatory conditions. It is perfectly miscible with any appropriate medium. In certain cases the addition of *Tr. Nux Vomica* gives much satisfaction.

Please note that *Essence and Elixir Pepsin* contain only Pepsin, while in *Peter's Peptic Essence* we have all the digestive ferments.

Please write for *Peter's Peptic Essence* and you will not be disappointed.

These preparations are held strictly in the hands of the medical profession, NEVER HAVING BEEN ADVERTISED AS POPULAR REMEDIES, nor put up with wrappers and circulars expatiating on the use of the Hypophosphites or Digestives, thus educating the public in the use of these valuable compounds.

Samples sent upon application. Express Charges at your Expense.

For sale by all Wholesale Druggists.

ARTHUR PETER & CO., Louisville, Ky.

Orders may be sent to CHAS. TRUAX, GREENE & CO.



DRUGS AND CHEMICALS.

Prices include containers.

	1-pt. bots. each.	5-pt. bots. each.	Gal. bots. each.
SYRUP, Squills, U. S. P.....	\$0 50	\$2 00	\$3 00
“ Compound, U. S. P. (Hive Syrup)	55	2 30	3 50
Stillingia Comp., A. D.....	50	2 00	3 00
Tar.....	40	1 50	2 25
Tar Compound.....	60	2 40	3 75

Each fluidrachm represents

Wild Cherry Bark.....3 gr

Ipecac Root.....1½ gr

Tincture of Opium.....2 minims

Combined with Syrup of Tar.

Tolu, U. S. P.....	40	1 50	2 25
Wild Cherry, U. S. P.....	40	1 50	2 25
“ Detannated.....	60	2 40	3 75
White Pine Compound.....	50	2 00	3 00

Each fluidrachm contains

Tinct. White Pine.....4 minims

Purified Chloroform.....½ minim

Ipecac.....2 gr

Morphia Sulph.....1-16 gr

White Pine, the principal ingredient of this preparation, has been for many years successfully used in the treatment of bronchial affections generally. It is here presented in a rational combination in the form of a very palatable syrup, the efficiency of which, as a remedy, has placed it in the very front rank in the treatment of bronchial difficulties. In acute bronchitis, especially, it stands without a rival.

White Pine, Compound, without Morphine.....	50	2 00	3 00
Yellow Dock Compound, A. D.....	50	2 00	3 00
Yerba Santa, Aromatic.....	60	2 40	3 75

Used as a vehicle for the administration of Quinine. Also in combination with bitter or nauseating mixtures, to disguise the unpleasant taste.

SYRUPS, Proprietary.

Figs, California Fig Syrup Co., see page 218 small, doz. \$4 00, large, doz. \$8 00

Hydriodic Acid, Gardner's.....per doz 12 00

“ “ Hostelley's.....per doz 10 00

“ “ Wampole's.....per doz 8 00

Hypophosphites (Lime and Soda), McArthur's, 1s.....per doz 8 75

“ Comp., 1s Hostelley's.....per doz 8 00

“ Comp., 1s Wampole's.....per doz 8 00

Roborans, Peters'.....per doz 8 00

SVAPNIA, ½ oz. vials.....per oz. 3 00

SYNERGIA (Aromatic Digestive Liquid).

The combined digestive ferments in the form of an agreeable cordial.

Each fluidrachm represents 10 grains of our Aromatic Digestive Powder.

1 pt. bots.....per pt 70

5 pt. bots.....each 3 00

(See Aromatic Digestive Powder, page 204.)



TERRALINE

A purified and tasteless preparation of Petroleum for INTERNAL use—a substitute for Cod Liver Oil and Emulsions. An invaluable agent in the treatment of

Coughs

Catarrh

Phthisis

Pulmonalis

Tuberculosis

General Debility, Etc.

This is the third season we have called attention of the medical profession to the great therapeutic qualities of **TERRALINE** through the medium of the medical journals, and if you have not already seen its valuable results, would ask you to give it a trial in your practice. It will not disappoint you.

**Does not cause nausea or eructations, and
the most delicate stomach can tolerate it
and grow strong in its use**

It is not a patent medicine in any sense of the word, but is sold on the prescription of the practitioner, and does not end in **Promising to Cure**, but does its whole duty to the entire satisfaction of the attending physician and ailing patient.

Here at the National Capital

It is endorsed by the Entire Profession as a Medicine of Unusual Worth.

This is the form of prescribing it, or you can leave the wine out, if you don't want it, or substitute some other kind of a vehicle:

R. **TERRALINE** ʒ xii.

SIG.: One or two teaspoonfuls, three or four times daily, in Sherry Wine.

A DOLLAR BOTTLE SENT FREE

To any physician who will pay express charges. Any "Terraline," or preparation of similar name, is an imitation if manufactured at any place but Washington, D. C.

MANUFACTURED ONLY BY

THE TERRALINE CO.

1316 L STREET, N. W., WASHINGTON, D. C.

Sold by all Druggists.

One Dollar a Bottle.

Orders may be sent to CHAS. TRUAX, GREENE & CO.



DRUGS AND CHEMICALS.

Prices include containers.		100	500	1000
TABLETS, Aromatic Digestive.....		\$0 50	\$2 00	\$3 50
See Aromatic Digestive powders, page 204.				
Caebromalid.....		40	1 75	3 00
See Caebromalid, Finely Powdered, page 139				
Tonicardia (Heart Tonic).....		35	1 25	2 25
See Formula, page 237				
Fraser, full assortment, see page 299				
Hypophosphites, Patch's, see page 298				
Lithia Compound, Patch's, see page 298				
Mulford, full assortment, see page 312				
Novus Lemonade, Patch's, see page 298				
Sachet, Patch's, see page 298				
Scheffelin's Hypodermic, see page 332				
Wyeth, full assortment, see pages 363 to 370				
TALCUM, Purified	lb		\$0 25	
TANNIN (see acid Tannic) carton incl., oz. 20, ¼lb. 40.....	lb		1 40	
TAPIOCA, Flake.....	lb		10	
TAR, Barbadoes, true.....	lb		25	
Pine, pt. cans				
" qt. "				
" gal. "				
TARTAR EMETIC, Powdered, ¼lb. 20.....	lb		56	
TEREBENE, oz. 13; ¼lb. 30.....	lb		1 00	
TERPIN HYDRATE, cryst., 1 oz. bot.....	oz		30	
TERRALINE, see page 230. Per doz. bots.....			8 00	
TETRONAL, in ½ oz. cartons.....	per oz		2 75	
A new Hypnotic of special value.				
THEINE, ⅛ oz. vial.....	each		10	
THILANIN.....	per lb		1 50	
Thilamin is a Brown Sulphurated Lanoline containing 3 per cent. of Sulphur.				
Of salve like consistency like ordinary Lanoline. Useful in Eczema of various				
forms and developments.				
Literature on application. See advertisement.				
THOMPSON'S MALTED BEEF. See page 180.....	doz.		2 00	
THOMPSON'S MALTED HOP TONIC. See page 180			2 00	
THYMOL, Cryst., U. S. P.....	oz		40	
TINCTURES, German.				
Aconite.....				
Arnica.....				
Belladonna.....				
Bryonia.....				
Chamomilla.....				
Chelidonium.....				
Conium.....				
Digitalis.....				
Drosera.....				
Elaterium (fruit.).....				
Hyoscyamus.....				
Pulsatilla.....				
Rhus Toxicodendron.....				
Sticta Pulmonaria.....				
Homeo (a full line).				



Gilpin, Langdon & Co.

BALTIMORE, March 3, 1893.

For Prices see page 123.

Tr. Aconite Root	-	Contains to 15 minims,	1- 41 gr. Aconitine.
" Belladonna Leaves	"	to 15 "	1-108 gr. Atropine.
" Blood Root	"	to 15 "	1- 43 gr. Sanguinarin.
" Calabar Bean	"	to 15 "	1- 25 gr. Extractive.
" Cannabis Indica.	"	to 15 "	1- 3 gr. Extractive.
" Cantharides	"	to 15 "	1-129 gr. Cantharidin.
" Conium Fruit	"	to 15 "	1- 86 gr. Conine.
" Digitalis Leaves	"	to 15 "	1-433 gr. Digitalin.
" Gelsemium Rad	"	to 15 "	1-108 gr. Gelsemine.
" Golden Seal	"	to 15 "	1- 32 gr. Hydrastine.
" Hyoscyamus Leaves	"	to 15 "	1-288 gr. Hyoscyamine.
" St. Ignatius Bean	"	to 15 "	1- 49 gr. Total Alkaloid.
" Jaborandi Leaves	"	to 15 "	1- 25 gr. Pilocarpine.
" Nux Vomica	"	to 15 "	1- 18 gr. Total Alkaloid.
" Opium	"	to 15 "	3- 16 gr. Morphine.
" Opium Deodorat	"	to 15 "	3- 16 gr. Morphine.
" Stramonium Seed	"	to 15 "	1-216 gr. Daturine.
" Veratrum Viride	"	to 15 "	1- 13 gr. Mixed Alkaloid.
Wine Colchicum Root	"	to 15 "	1- 21 gr. Colchicine.
Wine Colchicum Seed	"	to 15 "	1- 57 gr. Colchicine.

The above tinctures are prepared from Gilpin, Langdon & Co's Assayed and Standardized Drugs for Percolation.

The value of this uniform strength will be of great interest to the physician in prescribing, enabling him to regulate the dose according to the exigencies of the case, knowing to a certainty the amount of medicinal properties he is administering, he can with confidence anticipate the result, while on the other hand when prescribing medicines of unknown strength, he has no guarantee that they contain the active principles required.

Our line of Powders for Percolation embraces over four hundred articles, too numerous to list here.

Messrs. Chas. Truax, Greene & Co., at CHICAGO, ILL., or any Pharmacist who uses our Powders for Percolation, can furnish these preparations.

Send coupon at the end of this volume for samples. For Prices see page 123.

STANDARD AND ASSAYED STRENGTH OF	
Aconite Root	
CONTAINED IN THIS PACKAGE:	
ACTIVE PRINCIPLE,	ACONITINE,
STANDARD STRENGTH,	"
ASSAYED ABOVE STANDARD,	"
FORMULA: To make a Tincture of Standard Strength in Aconitine from G. L. & Co.'s Assayed Aconite Root contained in this package:	
ACONITE ROOT, No. 50,	PARTS,
TARTARIC ACID,	"
ALCOHOL, U. S.	"
TO MAKE	100 "
Prepared at direction by the U. S. Pharmacopoeia, 1880.	



DRUGS AND CHEMICALS.

Prices include containers.		4-oz. bots. each.	8-oz. bots. each.	1-lb. Bots. each.
TINCTURE, Aconite Root, U. S. P.,	.....	\$0 20	\$0 35	\$0 60
Aconite Root, Fleming's	.....	25	40	70
This is double the strength of the officinal.				
Aloes, U. S. P.	.....	20	30	50
“ and Myrrh, U. S. P.	.....	25	40	65
Antiperiodic, (Warburg's Tincture)	.....	40	75	1 40
Arnica flowers, U. S. P.	.....	20	30	50
Asafoetida, U. S. P.	.....	20	35	60
Avena Sativa, Keith's	..... lb			1 50
“ “ 8 oz. bottles	..... each			85
“ “ 4 “	..... each			50
Belladonna, U. S. P.	.....	20	30	50
Benzoin, U. S. P.	.....	20	35	60
“ Comp., “	.....	25	40	65
Black Cohosh	.....	20	35	60
“ Comp.	.....	20	35	60
Bloodroot, U. S. P.	.....	20	30	50
Byronia “	.....	20	35	60
Buchu, Br.	.....	20	30	50
Calendula, U. S. P.	.....	25	35	60
Camphor, “	.....	20	30	50
Cannabis Indica, “	.....	25	40	70
Cantharides, “	.....	20	35	60
Capsicum, “	.....	20	30	50
Cardamom, “	.....	25	45	75
“ Comp., “	.....	20	30	50
Catechu Comp., “	.....	20	35	60
Cinchona, true, “	.....	25	40	65
“ Comp, true, U. S. P.	.....	20	35	60
“ Detannated	.....	25	45	75
This preparation is practically identical in strength of Cinchona (without the Tannin) with the officinal Tincture Cinchona.				
Cinnamon, U. S. P.	.....	20	30	50
Colchicum Seed, U. S. P.	.....	20	35	60
Columbo	.....	20	30	50
Conium, U. S. P.	.....	20	30	50
Cubebs, “	.....	20	35	60
Digitalis, “	.....	20	30	50
Gelsemium, “	.....	20	35	60
Gentian Comp., “	.....	20	30	50
Ginger	.....	20	35	60
Golden Seal	.....	20	35	60
Green Soap, U. S. P.	.....	20	30	50
Guaiaac, U. S. P.	.....	20	35	60
“ Ammoniated, U. S. P.	.....	25	40	70

CHAS. TRUAX & CO. GREENE



Londonderry Lithia is too well known to require any extended mention.

More than 5,000 Physicians have endorsed it as the most powerful Solvent of Uric Acid known to the profession.

LONDONDERRY LITHIA SPRING WATER CO.
NASHUA, N. H.

CHARLES B. PERKINS & CO., 36 Kelby St., Boston, Selling Agents.

NEW YORK OFFICE,
78 BROAD ST.

PHILADELPHIA OFFICE,
1516 CHESTNUT ST.

CHICAGO OFFICE,
70 STATE ST.

Orders may be sent to CHAS. TRUAX, GREENE & CO.



DRUGS AND CHEMICALS.

	Prices include containers.	4 oz. bots. each.	8 oz. bots. each.	1 lb. bots. each.
TINCTURE, Hyoscyamus, U. S. P.....	\$0 20	\$0 30	\$0 50	
Ignatia, U. S. P.....	30	45	75	
Iodine, glass stop. bot., ".....	32	50	90	
" Churchill's.....	40	70	1 25	
" Colorless, glass stop. bots.....	35	60	1 00	
" Compound, " " ".....	35	60	1 00	
Ipecac and Opium.....	50	90	1 70	
Iron Acetate, U. S. P.	25	40	65	
" " Rademacher's.....	25	45	80	
" Citro Chloride.....	20	35	65	
This preparation is better known as Tasteless Tincture of Iron. It is practically identical in strength of Iron with the official Tincture Ferri-Chloridi.				
Iron, Muriate, U. S. P.....	15	25	40	
Kino.....	20	35	60	
Kino Compound.....	20	35	60	
Each fluidrachm represents about $\frac{1}{2}$ grain each of Kino and of Powdered Opium.				
Lavender.....	20		55	
Lobelia.....	20	30	50	
Myrrh, U. S. P.....	25	40	70	
" and Capsicum.....	25	40	70	
Nux Vomica, U. S. P.....	20	35	60	
Opium, " 1880.....	30	55	1 00	
" Camphorated, U.S. P.....	20	30	50	
" Deodorized.....	45	80	1 50	
Containing 6 grains Morphine in each fluidounce.				
" Comp (Squibb's Diarrhoea Mixture.....	30	45	85	
Each fluidrachm contains 12 minims each of Tinct. Opium, Spts. Camphor and Tinct. Capsicum, and $4\frac{1}{2}$ minims Chloroform.				
Orange, bitter.....	20	30	50	
" sweet.....	20	30	50	
Pectoral, Bateman's Pectoral Drops.....	20	35	60	
Each fluidrachm contains $2\frac{1}{2}$ minims of Tincture of Opium.				
Phosphorus Comp, (Vitalizon).....	75	1 30	2 50	
Physostigmatus, U. S. P.....	30	50	75	
Poke Root, A. D.....	20	35	60	
Pulsatilla.....	20	35	60	
Each fluidrachm represents 10 grains of the recently dried plant.				
Quassia, U. S. P.....	20	30	50	
Rhatany, ".....	20	35	60	
Rhubarb, ".....	20	35	60	

HAS **TRUAX & GREENE**



NEURALGIA TONGALINE
RHEUMATISM
NERVOUS HEADACHE SCIATICA
LA-GRIPPE GOUT

FORMULA

EACH FLUID DRACHM CONTAINS

TONGA 30 GRs SODIUM SALICYLATE 10 GRs COLCHICIN SALICYLATE 1/500 GR
 EX. CIMICIFUGAE RACEMOSAE 2 GRs. PILOCARPIN SALICYLATE 1/100 GR.

THE **SALICYLIC ACID** BEING FROM THE **OIL OF WINTERGREEN**
MELLIER DRUG COMPANY — ST. LOUIS

PONCA

UTERINE ALTERATIVE

ESPECIALLY AFFECTING THE MUCOUS SURFACES

INDICATIONS

Metris

Subinvolution
 Menorrhagia
 Dysmenorrhoea
 Painful Pregnancy

Endo-Metritis

Menorrhagia
 Leucorrhoea
 Ovarian Neuralgia
 After-Pains

Exercises a specific alterative action on the uterine tissues, a general tonic influence on the Pelvic Organs; has a tendency to absorb plastic deposits, to regulate the vascular supply, to relieve congestion, to tone up the nerve forces, to encourage peristalsis of the bowels, and to remove spasmodic conditions.

FORMULA—Each tablet contains—Ext. Poncha, 3 grs.; Ext. Mitchella Repens, 1 gr.; Caulophyllin, ¼ gr.; Heionin, ¼ gr.; Viburnin, ¼ gr.

COMPOUND

100 tablets mailed on receipt of \$1.00.

Mellier Drug Company, St. Louis.



DRUGS AND CHEMICALS.

Prices include containers.

	¼ lb. bots. each.	½ lb. bots. each.	1 lb. bots. each.
TINCTURE, Rhubarb, Aromatic, U. S. P.	\$0 20	\$0 35	\$0 60
Rhubarb, Dulcis.....	20	35	60
" Compound.....	20	35	60
Serpentaria, U. S. P.....	20	35	60
Squills, ".....	20	35	60
Stramonium, ".....	20	35	60
Strophanthus.....	35	60	1 10
Each fluidrachm represents 3 grains of Strophanthus. The dose is 1 to 10 minims.			
Tolu, Soluble.....	25	40	75
" U. S. P.....	25	40	75
Valerian, ".....	20	35	60
" Ammoniated, U. S. P.....	25	45	85
Veratrum Viride, ".....	25	45	85
Veratrum Viride, Norwood's, 4 oz. bots. each.....			1 00
TINCTURES, Gilpin, Langdon Co. For prices see page 123.			
TONGALINE , see page 236.....per doz			8 00
TONKA BEAN.....Oz			20
TONICARDIA TABLETS (Heart Tonic) 100, 35c., 500, \$1 25.....1,000			2 25
Each tablet represents, fluid extract Cactus Grand, 2 minims;			
Tinct. Digitalis, 1 minim; Caffeine, pure, ½ gr.			
TRI-FERMENT, COMP. ELIXIR (Henry Thayer and Co's).....per pint			60
" " " powder " " " per oz		50	per lb 5 00
TRILLIIN (resinoid).....Oz			45
TRI-METHYL-AMINE, 10 per cent. solution.....Oz			35
Chloride.....Oz			55
TRIONAL, in ounce cartons.....per oz			1 50

TRIONAL acts promptly in the neuroses and insomnias. It is an excellent hypnotic and sedative, gives no unpleasant sequelæ, and is thought to be indicated in some obstinate neuroses, not amenable to other treatment.

TRITICI, Fluid (Fld. Ext. Couch Grass).....lb. 80, 5-pt. bot 3 50

Representing all the valuable constituents of Couch Grass, minim for grain.

TRYPSIN, ¼ oz. vials.....Oz 4 00

TUBERCULIN, Dr. Koch.....per c c 2 00

(Sold only in bottles containing 5 c c.)

No attempt will be made to review the enormous literature of Tuberculin. All the salient features of its employment will be in the minds of everyone, and there could be no advantage in entering upon a detailed consideration of every individual experience with the substance.

At the time when attention was first called to the method of treatment, an interest and enthusiasm was manifested in it which exceeded considerable limits, and when the inevitable reaction set in there was a tendency manifested to go to the other extreme in depreciating it. That Tuberculin is a useful remedial agent is now, however, generally conceded, and it is very largely used for diagnostic purposes, and, in fact, veterinary insurance societies will in many cases, not insure animals which have not been tested for the possible existence of incipient or latent tuberculosis by injection of the preparation.

Directions for use mailed on application.



NATURE'S OWN REMEDY.

Bedford Springs Mineral Water

IS RECOMMENDED BY PHYSICIANS OF ALL SCHOOLS

For Liver, Kidney and Bladder Trouble,

For Gravel, Gall Stone, Jaundice,

For Dyspepsia, Rheumatism, and Gout,

For Dropsy, Bright's Disease, Diabetes,

For Hemorrhoids, etc.

Its continued use will insure immunity against Typhoid Fever, Cholera Morbus, or any of the diseases which are produced by the use of water filled with organic matter.

It has been used medicinally and prescribed by physicians for nearly ONE HUNDRED YEARS.

DIRECTIONS.—Take one or two glasses about a half-hour before each meal.

FROM THOUSANDS OF TESTIMONIALS WE SELECT A FEW.

N. W. CORNER 16TH AND WALNUT STS.,
PHILADELPHIA, PA., January 27, 1891.

MY DEAR DOCTOR:—I have been in the habit of sending patients for many years to Bedford Springs, and also prescribing the water to patients in the city. I can most conscientiously certify to the value of the water medicinally.

I regard Bedford Springs Water as one of the most valuable waters in this country for all functional diseases of the liver and digestive organs. It is aperient, alterative, and diuretic

D. HAYES AGNEW, M. D.

DEAR SIR:—I am pleased to testify to the efficacy of the Bedford Mineral Water in chronic catarrhal jaundice, and also in chronic bilious dyspepsia. I have seen the good effects upon a number of patients, and have personally experienced great and permanent benefit in the latter affliction.

Very sincerely yours,

R. G. CURTIN, M. D.,

22 South 18th St., Philadelphia, Pa.

PHILADELPHIA, PA., February 16, 1891.

MY DEAR DOCTOR:—I have been using Bedford Water for the past twenty years with the most satisfactory results. I consider it the best water in existence for hepatic (liver) troubles, gall stone, colic, etc.

Respectfully yours,

DE FOREST WILLARD, M. D.,

University of Pennsylvania.

This water is now for sale by Druggists in half-gallon decanters. Sparkling Bedford Water in quarts and pints. Handsomely illustrated book sent free.

Address: BEDFORD MINERAL SPRINGS CO., Bedford, Pennsylvania.

E. STANLEY HART & CO.

SELLING AGENTS.

152 FRANKLIN STREET, NEW YORK.

Orders may be sent to CHAS. TRUAX, GREENE & Co.

RICHMOND, VA., April 27, 1891.

For many disorders of digestion and hepatic troubles, Bedford Springs Mineral Water is very valuable. It is a laxative, diuretic, and alterative. Forty years ago my father used to send his own team all the way to Bedford Springs for water. My brother, up the valley, uses it, and I am using it now.

HUNTER MAGUIRE, M. D.

THE PHILADELPHIA TIMES,
PHILADELPHIA, March 18, 1891.

DEAR SIR:—I am very glad to bear my testimony to the exceptional medicinal properties of Bedford Mineral Water. My experience is that it is the best Mineral Water in the world for liver or kindred complaints, and if the Springs were in Germany they would be more patronized by invalids of the world than any German waters at this time.

Very truly yours,

A. K. MCCLURE.

BALTIMORE, MD., November 20, 1890.

Having been a sufferer many years with a torpid or inactive liver, it gives me much pleasure to say to those with a like trouble that I have received more real benefit from the use of Bedford Springs Water than any remedy I have ever tried. Having used the water eight years, in summer direct from the spring, and at other seasons at home, I am able to speak with confidence. Will add that I make this statement not by the request of the owners of the water, but rather for the benefit of those who, like myself, have been martyrs to the many terrible effects of a torpid liver.

T. J. BOYKIN, M. D.



DRUGS AND CHEMICALS.

TUBERCULOCIDIN, Dr Klebs..... per c c \$2 00
(Sold only in bottles containing 5 c c.)

The preparation of this modified, or, as it may be called, refined Tuberculin, was first effected by Professor E. Klebs, who separated the albumose, which he characterized as the remedial agent of the crude Tuberculin from the constituents to which the latter owes its powerful toxic properties, and especially from the substances which produce the dangerous bye-effects upon the heart of Tuberculin. At the same time it is believed that there is a difference of more than degree between the action of the Tuberculin and Tuberculocidin. The latter is not merely the former in a more dilute condition since the quantity of 1½ grs. attained after a few doses in tuberculous human beings, in the case of Tuberculin, brings about a very considerable rise of temperature, while in that of Tuberculocidin no fever is produced.

Preliminary report and directions for use mailed on application.

TUMENOL.....oz 60
TUMENOL OIL.....oz 70
TUMENOL POWDER.....oz 1 00

This substance belongs to the so-called reducing agents which are employed in dermatology. It is prepared from the unsaturated hydro-carbons contained in the distillate of a mineral mined near Darmstadt, Germany. Tumenol exists in three forms, distinguished as Tumenol, Tumenol Oil and Tumenol Powder. The oil is a viscid dark yellow liquid, freely soluble in ether and benzol; it is insoluble in water, but the aqueous solution of Tumenol sulphonic acid or powder takes it up, acquiring at the same time a strongly bitter and aromatic taste. The most important chemical property of these compounds is believed to be their marked reducing powers. Persalts of Iron are reduced by them to Proto-salts, Permanganate of Potassium into an Oxide of Manganese, and Corrosive Sublimat into Calomel.

Literature on application.

TURPENTINE, Chian true, 1 oz.....oz 45
Pure, rectified.....lb 45
Spirits, containers extra.....per gal 50
Venice.....lb 38
White Pine, hard.....lb 08
“ “ soft.....lb 12

TURPETH MINERAL (See Mercury).

UNGUENTUM (See Ointments).

UPJOHN'S FRIABLE PILLS AND GRANULES (See pages 320 to 331).

URETHANE, Merck's.....oz 55
VACCINE, 10 points in pack.....per pack 1 00
“ “ “ 6 packages..... 5 00

VANILLIN, Crystals.....oz 6 00
VASELINE, 1 lb. can..... 30

5 lb. can..... 1 13
White, 1 lb. can..... 60
“ 5 “..... 2 25
Carbolated, 1 lb. can..... 38
“ 5 “..... 1 75

See Petrolatum.

VERATRINE (Veratria), pure, ⅓ oz. vials....oz 1 70
VERDIGRIS, powder.....lb 45
VINEGAR, Aromatic, 1 lb.....lb 45
Of Lobelia, 1 lb.....lb 50
Opium, 1 lb.....lb 1 50
Sanguinaria, 1 lb.....lb 50
Squill, lb.....lb 40
VITALIZON, ¼ lb. bot, 75c.....1 lb 2 50

VITALIZON (or tincture of Phosphorus Compound) contains 1.50 grain of Phosphorus in each fluidrachm, combined with Nux Vomica, Ignatia, Cinchona, etc., and aromatics.

This is an excellent tonic and stimulant to the brain and nervous system in all cases of cerebral or nervous debility, from overwork, excesses or whatever causes.



Manitou.

Table Water

There is only one genuine, original and pure "**MANITOU.**"

There is only one "**MANITOU**" re-charged solely with absolutely natural carbonic acid gas.

THE MANITOU MINERAL WATER COMPANY alone supplies that water.

Beware of imposition, counterfeits and false representations.

Scrutinize every bottle closely.

Become familiar with the labels.

Manitou.

Accept no water on draught called "**MANITOU.**" | Ginger Champagne

The original, genuine "**MANITOU**" is sold in bottles only.

Accept none unless the neck label contains a fac-simile of the word "**MAN-ITOU**" in script form as printed above, and the body label a fac-simile of the signature of the Company, as printed below.

The two principal Springs, as analyzed by Prof. Elwyn Waller, Ph. D., Analytical Chemist, New York City, were found to contain in grains to the pint of water:

	MANITOU.	NAVAJO.
Sodium Chloride.....	2.993	2.974
Potassium Sulphate.....	1.336	1.919
Sodium Sulphate.....	1.268	1.367
Sodium Carbonate.....	5.083	5.326
Lithium Carbonate.....	.089	.077
Calcium Carbonate.....	8.635	8.667
Magnesium Carbonate.....	2.085	2.005
Iron Oxide.....	.003	.003
Alumina.....	.009	.013
Silica.....	.312	.308
	21.813	22.659

Both containing free carbonic acid gas.

Circulars and information furnished upon application to

Manitou Mineral Water Co.

MANITOU SPRINGS, COLO., U.S.A.

Orders may be sent to CHAS. TRUAX, GREENE & CO.



DRUGS AND CHEMICALS.

WAFERS, MEDICINAL, in sheet, 6x8 inch.....	per 100	\$0 65
Round or square boxes	doz	60
WARBURG'S TINCTURE, (See Tincture Antiperiodic)		
WATER, Anise.....	pt	20
Camphor.....	pt	20
Cherry Laurel (Aqua Laurocerasi)	pt	35
Chlorine.....	pt	40
Cinnamon.....	pt	20
Chloroform, N. F.....	pt	20
Creosote.....	pt	20
Distilled.....	pt. 15, gal	40
Elder Flower.....	pt	35
Eucalyptus.....	pt	20
Fennel.....	pt	20
Franz Josef, 50 bots. in case	case	7 50
Levico, 100 bots. in case.....	doz	5 00
Lead.....	pt	20
Lime.....	pt	20
Orange Flower, Chiris'.....	pt	45
Peppermint.....	pt	25
Rose, Chiris' (imported) pt. \$0 50, (domestic).....	pt	30
Spearmint.....	pt	20
WATERS, Mineral, Bedford Springs, see page 238.		
Case, 1 doz. ½ gal. bots.....		4 50
“ 50 quarts (aerated).....		7 50
“ 100 pints “		10 00
Londonderry Lithia Water, see page 234, case of 12 bots.....		4 75
“ ½ gals. “ still ” per case of 12 bots.....		5 00
“ Quarts, “ sparkling,” per case of 50 bots.....		7 50
“ Pints, “ sparkling,” per case of 100 bottles.....		10 50
“Manitou,” see page 240.		
Stafford's Mineral Springs Co's furnished at wholesale rates.		
WAX, BEES, white, pure.....	lb	52
White, Star Brand.....	lb	60
Yellow, Prime.....	lb	40
WHISKEY (see Wine and Liquor List).		
WHITE PRECIPITATE (See Mercury Ammoniated).		
	1 pt. bots. each.	5 pt. bots. each. gal. bots. each.
WINE, Aloes, U. S. P.....	\$0 75	\$3 25
Antimony.....	60	2 50
Beef and Iron.....	60	2 50 \$3 75
Beef, Iron and Calisaya.....	65	2 85 4 25
Coca.....	75	3 35 5 00
Each fluidounce represents		
Coca Leaves.....	80 gr	
Coca, Aromatic.....	75	3 35 5 00
Each fluidounce represents		
Coca Leaves.....	80 gr	

CHAS. TRUAX & CO. GREENE

METCALF'S COCA WINE

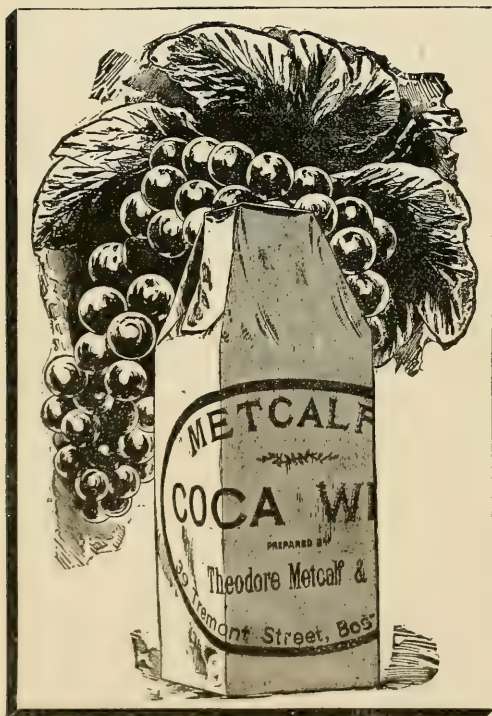
Always Uniform
Therefore
Always Reliable

... FOR FATIGUE OF MIND OR BODY ...

Made from Fresh Coca Leaves and the Purest Wine

RECOMMENDED FOR NEURALGIA,
SLEEPLESSNESS, DESPONDENCY, ETC

As a Tonic and Invigorator it is always Safe, Agreeable and Certain, being prepared with the utmost skill and precision from the Freshest Coca Leaves and the Purest Wine obtainable.



RINGER recommends COCA LEAVES as of great value in Febrile Disorders, by restraining tissue metamorphosis, and for the same reason in Phthisis. For their decided anodyne and anti-spasmodic qualities, they have been successfully employed in Typhus, Scorbutus, Gastralgia, Anaemia, Enteralgia, and to assist digestion.

COCA WINE is probably the most valuable Tonic in the Materia Medica when properly prepared. With stimulating and anodyne properties combined, Metcalf's Coca Wine acts without debilitating, being always uniform and therefore absolutely reliable. For Athletes it is invaluable in imparting energy and resisting fatigue; Public Speakers and Singers find it indispensable as a "Voice Tonic," because, being a "tensor" of the vocal chords, it greatly strengthens and increases the volume of the voice; and to the elderly it is a dependable aphrodisiac, superior to any other drug.

Physician's Sample Bottles, by express, carriage prepaid, upon the receipt of One Dollar.

...

DR. ARCHIBALD SMITH — "PERU AS IT IS"—states that "Coca" increases energy, removes drowsiness, enlivens the spirits, and enables the consumer to bear cold, wet, great bodily exertion and even want of food, to a surprising degree, with ease and impunity.

Theodore Metcalf Co.

39 Tremont Street, Boston, Mass.

Established 1837

Orders may be sent to CHAS. TRUAX, GREENE & CO.



DRUGS AND CHEMICALS.

Prices include containers.

WINE OF COCA, Gilpin, Langdon Co's, see page 32.....	doz	9 00		
“ “ Metcalf's, see page 242.....	doz	9 00		
“ “ Restorative, see page 174.....	doz	10 00		
	1 pt. bots. each.	5 pt. bots. each.	1 gal. bots. each.	
WINE, Colchicum Root, U. S. P.....	\$60	\$2 50		
“ Seed.....	60	2 50		
Ergot.....	85	3 75		
Ipecac....	90	4 00		
Iron.....	55	2 50		\$3 50
“ Bitter.....	60	2 50		3 75
Opium, U. S. P.....	1 50			
Wines and Liquors. See next page.				
WITCH HAZEL, Bark, powd.....	lb	25		
WOOD ALCOHOL, Container, extra.....	gal	1 50		
XANTHOXYLIN, 1 oz. vial, incl.....	oz	65		
XYLOL.....	1 pt. bots. each.	5 pt. bots. each.	1 gal. bots. each.	
YERBA SANTA COUGH MIXTURE.....	65	2 65	4 00	

Each fluidrachm represents

Yerba Santa.....	10 gr
Grindelia Robusta.....	4 gr
Cherry Bark.....	2 gr
Licorice.....	5 gr
Cubebs.....	1 gr
Tar.....	½ gr
Bromide Ammonium.....	1 gr

An excellent expectorant, especially useful in chronic bronchitis and other chronic pulmonary complaints.

ZINC, Acetate, Mallinckrodt's.....	lb	53
Bromide.....	oz	20
Carbonate, precip., pure.....	lb	28
Chloride, fused.....	lb	64
" " ".....	oz	13
" gran'd.....	lb	64
" " ".....	oz	13
Iodide.....	oz	50
Oleate, precip.....	oz	10
Oxide, chem., pure.....	lb	50
" Hubbuck's, c. p.....	lb	60
" white, com'l.....	lb	15
Phosphate.....	lb	1 60
" " ".....	oz	18
Phosphide.....	oz	53
Salicylate.....	oz	40
Sulphate, gran., c. p.....	lb	25
" cryst.....	lb	10
Sulphocarbolate.....	lb	1 00
" " ".....	oz	15
Tannate.....	oz	30
Valerinate, Mallinckrodt's.....	oz	30



IRONDEQUOIT WINE CO.

• ROCHESTER, N. Y. •

Grape Growers and Producers of Pure Grape Wines

IRONDEQUOIT PORT

IRONDEQUOIT CATAWBA

IRONDEQUOIT SHERRY

IRONDEQUOIT CLARET

IRONDEQUOIT BRANDY

THESE wines are produced from the pure juice of choice selected ripe grapes, absolutely pure, and put on the market only when seven years old. For medicinal purposes the Port is especially noteworthy having a true alcoholic strength—about 16 per cent—and with but a trace of tannin, which renders it free from objectionable astringency, together with perfect ethereal qualities, it constitutes the most desirable, nutritious and cordial stimulant that can be found in the form of wine. The Catawba and Sherry are also noted for their fine, rich and delicate flavor.

The Brandy is an absolutely pure product maturely developed by age, possessing a rich delicate bouquet.

PREScribe IRONDEQUOIT WINES AND BRANDY
AND THEY WILL NOT FAIL YOU

FOR SALE BY CHAS. TRUAX, GREENE & CO.



WINES AND LIQUORS.

CONTAINERS EXTRA. SPECIAL PRICES IN FULL BARRELS.

ALE, Beseley's Waukegan, extra quality.....	pints, doz.	\$1 40	quarts, doz.	\$2 75
ALE, Bass, Imported, pints.....	doz	2	00	
BEER, Milwaukee Export, quarts.....	doz	1	75	
“ “ “ pints.....	doz	1	00	
BRANDY, Blackberry, choice.....	gal	2	75	
California, old.....	gal	3	75	
American, medium age.....	gal	2	75	
Cognac, French, Imported.....	gal	7	00	
Hennessy, 3 star.....	doz	24	00	
Irondequoit.....	gal	7	00	
CHAMPAGNE, at market rates.				
GIN, Domestic, “Old Tom”.....	gal	2	25	
“ extra quality.....	gal	2	75	
De Kuyper, Imported, ½ gal. bots. incl.....	doz	18	00	
PORTER, Imported, pints.....	doz	2	00	
RUM, Jamaica, Genuine.....	gal	6	00	
“ “ very old.....	gal	8	00	
New England.....	gal	2	50	
“ “ choice.....	gal	3	50	
St. Croix, genuine.....	gal	5	00	
“ “ “ choice.....	gal	6	50	
WINE, Angelica, pure..	gal	1	25	
“ choice and old.....	gal	2	50	
Blackberry, choice.....	gal	2	25	
Catawba, sweet, pure.....	gal	1	25	
“ “ choice and old.....	gal	2	50	
“ dry, pure.....	gal	1	25	
“ “ choice and old.....	gal	2	50	
“ Irondequoit.....	gal	3	75	
Claret, St. Julien.....	quarts, doz	4	50	
“ Chateaux, C. F. F.....	pints, doz	6	00	
“ “ “.....	quarts, doz	9	00	



“Belle of Bourbon” Whiskey.

Guaranteed strictly hand-made, sour mash, 40% small grain;

DISTILLED AND BOTTLED ONLY BY

The Belle of Bourbon Co., Louisville, Ky.

• • • •

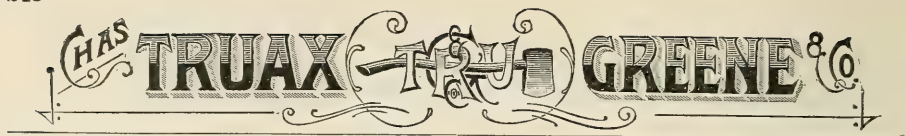
“Belle of Bourbon” is stored eight summers in bbls., in the latest improved warehouses, before it is bottled. At the age of eight summers “Belle of Bourbon” has lost, by natural evaporation, every impurity—chief among which is Amylic Alcohol, commonly called Fusel Oil—and, at this age, devoid of all volatile properties, it is bottled by The Belle of Bourbon Co., only; thereby guaranteeing every bottle to be eight years old, and absolutely pure; possessing to an eminent degree a richness of flavor, and delicacy of aroma unequaled by any other whiskey. The most eminent surgeons, physicians and chemists, in all parts of the United States, unreservedly pronounce “Belle of Bourbon” to be the purest, best, and most effective agent, or remedy, in all cases where a stimulant is indicated. For prices, see page 247

FOR SALE BY CHAS. TRUAX, GREENE & CO.



WINES AND LIQUORS.

WINE, Madeira.....	gal	\$1 75
Malaga, sweet.....	gal	1 75
Muscatel.....	gal	2 50
Port, California, pure quality.....	gal	1 10
“ “ pure quality, 5 gal. lots.....	gal	1 00
“ “ in full barrels.....	gal	90
“ very choice and old.....	gal	2 50
“ Irondequoit.....	gal	4 00
Rhine, Imported.....	gal	2 50
Sherry, California, pure quality.....	gal	1 10
“ “ “ “ in 5 gal. lots.....	gal	1 00
“ “ “ “ in full barrels.....	gal	90
“ very choice and old.....	gal	2 50
“ Irondequoit.....	gal	3 75
Tokay.....	gal	2 25
WHISKEY, Bourbon, “Anchor”.....	gal	2 00
This is a pure rectified whiskey, flavored with a good Sour Mash.		
Bourbon “Hancock,” 2 years old.....	gal	2 50
This is a genuine Sour Mash whiskey.		
Bourbon, “Belle of Bourbon,”.....	gal	3 00
This whiskey is upwards of four years old. It is free from fusel oil and can be recommended as being absolutely pure.		
Bourbon, “Belle of Bourbon,” guaranteed 8 years old, bottled at the distillery in bottles of 1-5 gal., 12 in a case.....	per case	12 00
Same in less than case lots.....	per bot	1 10
Bourbon, Sour Mash, very old.....	gal	4 00
Rye, “Lakewood”.....	gal	2 00
This is a pure rectified whiskey, flavored with a good quality of distilled Rye.		
Rye, “Oakland,” 2 years old.....	gal	2 50
This is a pure distilled Rye whiskey.		
Rye, “Maplewood,” 3 years old.....	gal	3 00
This is a pure distilled Rye whiskey of good age.		
Rye, “Imperial,” 4 years old.....	gal	4 00
This whiskey we can recommend to those of our customers who desire a choice old Rye whiskey of known purity.		
Rye, “Hunter”.....	gal	6 00
This is the well known “Hunter Rye” whiskey.		



Strictly Professional.

HYDROLEINE

(HYDRATED OIL)

Is a purely scientific preparation of Cod Liver Oil for the treatment of Incipient Consumption, Scrofula, Rickets, Bronchitis, Whooping Cough, and all wasting diseases.

FORMULA—EACH DOSE CONTAINS:

Pure Norwegian Cod Liver Oil.....	80 m. (drops).
Distilled Water	35 "
Soluble Pancreatin.....	5 grains.
Soda.....	$\frac{1}{4}$ "
Salicylic Acid.....	$\frac{1}{4}$ "

DOSE:—Two teaspoonsful alone or mixed with twice quantity of water, to be taken after each meal.

Hydroleine is a pancreatized Cod Liver Oil preparation of pure Norwegian Cod Liver Oil (from Lofoten), that is prepared as the direct result of a long series of physiological experiments, conducted with a view of gaining an exact knowledge of "The Digestion and Assimilation of Fats" in the body. The experiments were made by an eminent London chemist (H. C. Bartlett, Ph. D., F. C. S.), in conjunction with an equally eminent London physician (G. Overend Drewry, M. D., M. C. R. S.), and were sanctioned and encouraged with many practical suggestions by Bence Jones and Baron Liebig.

Hydroleine is based on sound scientific principles; it is easily digested and assimilated, without producing eructations. Appetite is very much increased, and that, so far from possessing the unpleasant taste of Cod Liver Oil and its Emulsions, **Hydroleine** is thoroughly palatable and pleasant. The formula is well known and the preparation has received the endorsement of physicians throughout the United States. It is sought to introduce **Hydroleine** exclusively on its merits, and for that reason the profession is appealed to only through the medical journals.

Hydroleine (HYDRATED OIL) is prescribed and used in the leading hospitals in New York and Brooklyn.

A Sample of **HYDROLEINE** will be sent free, upon application, to any physician (inclosing business card) in the United States.

SOLD BY DRUGGISTS GENERALLY.

The Charles N. Crittenton Co.

Sole Agents for
the United States

NEW YORK.



ELIXIRS.

IN PINT, QUART, FIVE-PINT AND GALLON BOTTLES.

The refined and cultivated tastes of to-day demand pleasant, palatable remedies, and elixirs to a great extent have superseded tinctures and other preparations which were formerly popular forms of medicine.

Many of the elixirs herein listed are of recognized value, and have won such commendation as to become standard remedies with a large number of physicians.

The prices quoted per gallon will be reduced twenty-five cents when orders for five or more gallons, either assorted or of a single preparation, are received at one time.

Prices include containers.	1-pt. bots. each.	5-pt. bots. each.	Gal. bots. each.
ELIXIR, Aromatic, simple, white or red.....	\$0 40	\$1 35	\$2 00
Ammonium, Valerinate.....	65	2 85	4 25
Each fluidrachm contains Valerinate of Ammonium.....2 gr			
Ammonium and Morphine, Valerinate.....	70	3 00	4 50
Each fluidrachm contains Valerinate of Ammonium 2 gr Morphine.....1-16 gr			
Ammonium and Quinine, Valerinate.....	70	3 00	4 50
Each fluidrachm contains Valerinate of Ammonium.....2 gr Quinine..... $\frac{1}{2}$ gr			
Berberine and Iron.....	65	2 65	4 00
Each fluidrachm represents Phosphate of Berberine.....1 gr Pyrophosphate of Iron.....1 gr			
Bismuth and Hydrastis.....	65	2 65	4 00
Each fluidrachm represents Hydrastis .....5 gr Am. Cit. Bismuth.....1 gr			
Bismuth and Iron.....	65	2 65	4 00
Each fluidrachm contains Am. Cit. Bismuth.....1 gr Pyrophosphate Iron.....1 gr			
Bismuth and Strychnine.....	60	2 50	3 75
Each fluidrachm contains Am. Cit. Bismuth.....1 gr Strychnine.....1-64 gr			
Bromide Ammonium.....	50	1 85	2 75
Each fluidrachm contains Bromide Ammonium.....5 gr			
Bromide Calcium.....	70	3 00	4 50
Each fluidrachm contains Bromide Calcium.....5 gr			
Bromide of Lithium.....	60	2 50	3 75
Each fluidrachm contains Bromide Lithium.....5 gr			
Bromide Potassium.....	50	2 00	3 00
Each fluidrachm contains Bromide Potassium.....10 gr			



ELIXIRS.

	Prices include containers.		
	1-pt. bots. each.	5-pt. bots. each.	Gal. bots. each.
ELIXIR, Bromide Potassium and Caffeine.....	\$ 0 65	\$2 65	\$4 00
Each fluidrachm contains			
Bromide Potassium.....10 gr			
Bromide Caffeine.....½ gr			
Bromide Soda.....	50	2 00	3 00
Each fluidrachm contains			
Bromide Soda.....10 gr			
Buchu.....	65	2 65	4 00
Each fluidrachm represents			
Buchu.....15 gr			
Buchu Compound.....	65	2 85	4 25
Each fluidrachm represents			
Buchu.....8 gr			
Stone Root.....4 gr			
Pareira Brava.....4 gr			
Buchu and Eucalyptus.....	70	3 00	4 50
Each fluidrachm represents			
Buchu.....12 gr			
Eucalyptus.....8 gr			
Buchu and Pareira Brava.....	60	2 50	3 75
Each fluidrachm represents			
Buchu.....10 gr			
Pareira Brava.....5 gr			
Buckthorn Bark.....	60	2 50	3 75
Each fluidrachm represents			
Buckthorn Bark.....20 gr			
Buckthorn Compound.....	60	2 50	3 75
Each fluidrachm represents			
Buckthorn Bark.....10 gr			
Senna.....5 gr			
Mandrake.....1 gr			
Rochelle Salts.....5 gr			
Caffeine, N. F.....	70	3 00	4 50
Each fluidrachm contains			
Caffeine.....1 gr			
Calisaya.....	40	1 50	2 25
Each fluidrachm represents about 5 grains of Calisaya Bark of average quality.			
NOTE:—This preparation is made from the Alkaloid salts and is the base for the following compound Elixirs of Calisaya:			
Calisaya and Bismuth.....	50	2 00	3 00
Each fluidrachm represents			
Calisaya Bark.....5 gr			
Am. Cit. Bismuth.....1 gr			
Calisaya, Bismuth and Strychnine.....	55	2 30	3 50
Each fluidrachm represents			
Calisaya Bark.....5 gr			
Am. Cit. Bismuth.....1 gr			
Strychnine.....1-64 gr			



ELIXIRS.

Prices include containers.		1-pt. bots. each.	5-pt. bots. each.	Gal. bots. each.
ELIXIR, Calisaya and Iron Chloride.....		\$ 0 50	\$2 00	\$3 00
Each fluidrachm represents				
Calisaya Bark.....	5 gr			
Ferric Chloride.....	1 gr			
Calisaya and Iron, Chloride, with Strychnine.....		50	2 00	3 00
Each fluidrachm represents				
Calisaya Bark.....	5 gr			
Ferric Chloride.....	1 gr			
Strychnine Sulphate.....	1-100 gr			
Calisaya and Iron, Protoxides		50	2 00	3 00
Each fluidrachm represents				
Calisaya Bark.....	5 gr			
Protoxide of Iron.....	1 gr			
Calisaya and Iron, Pyrophosphate.....		50	1 85	2 75
Each fluidrachm represents				
Calisaya Bark.....	5 gr			
Pyrophosphate Iron.....	1 gr			
Calisaya, Iron and Bismuth.....		55	2 30	3 50
Each fluidrachm represents				
Calisaya Bark.....	5 gr			
Pyrophosphate Iron.....	1 gr			
Am. Cit. Bismuth.....	1 gr			
Calisaya, Iron, Bismuth and Pepsin.....		75	3 35	5 00
Each fluidrachm represents				
Calisaya Bark.....	5 gr			
Pyrophosphate Iron.....	1 gr			
Am. Cit. Bismuth.....	1 gr			
Combined with Liq. Pepsin Neutral.				
Calisaya, Iron, Bis., Pepsin and Strychnine.....		75	3 35	5 00
Each fluidrachm represents				
Calisaya Bark.....	5 gr			
Phrophosphate Iron.....	1 gr			
Am. Cit. Bismuth.....	1 gr			
Strychnine.....	1-64 gr			
Combined with Liq. Pepsin Neutral.				
Calisaya, Iron, Bis., and Strychnine.....		60	2 50	3 75
Each fluidrachm represents				
Calisaya Bark.....	5 gr			
Pyrophosphate Iron.....	1 gr			
Am. Cit. Bismuth.....	1 gr			
Strychnine.....	1-64 gr			
Calisaya, Iron and Phosphorus.....		60	2 50	3 75
Each fluidrachm represents				
Calasaya Bark.....	5 gr			
Pyrophosphate Iron.....	1 gr			
Phosphorus.....	1-100 gr			
Calisaya, Iron, Pepsin and Strychnine.....		0 65	2 85	4 21
Each fluidrachm represents				
Calisaya Bark.....	5 gr			
Pyrophosphate Iron.....	1 gr			
Strychnine.....	1-64 gr			
Combined with Liq. Pepsin Neutral.				



ELIXIRS.

Prices include containers.		1 pt. bots. each.	5pt. bots. each.	Gal. bots. each.
ELIXIR, Calisaya, Iron and Pepsin.....		\$ 0 65	\$2 75	\$4 25
Each fluidrachm represents				
Calisaya Bark.....	5 gr			
Pyrophosphate Iron.....	1 gr			
Combined with Liq. Pepsin Neutral.				
Calisaya, Iron and Strychnine.....		50	1 85	2 75
Each fluidrachm represents				
Calisaya Bark.....	5 gr			
Pyrophosphate Iron.....	1 gr			
Strychnine.....	1-64 gr.			
Calisaya, Pepsin and Bismuth.....		75	3 35	5 00
Each fluidrachm represents				
Calisaya Bark.....	5 gr			
Am. Cit. Bismuth.....	1 gr			
Combined with Liquid Pepsin, Neutral.				
Calisaya, Pepsin, Bismuth and Strychnine.....		75	3 35	5 00
Each fluidrachm represents				
Calisaya Bark.....	5 gr			
Am. Cit. Bismuth.....	1 gr			
Strychnine.....	1-64 gr			
Combined with Liquid Pepsin, Neutral.				
Calisaya, Pepsin and Strychnine.....		70	3 00	4 50
Each fluidrachm represents				
Calisaya Bark.....	5 gr			
Strychnine.....	1-64 gr			
Combined with Liquid Pepsin, Neutral.				
Calisaya and Strychnine.....		45	1 65	2 50
Each fluidrachm represents				
Calisaya Bark.....	5 gr			
Strychnine.....	1-64 gr			
Cascara Aromatic.....		60	2 50	3 75
Each fluidrachm represents				
Cascara Sagrada.....	20 gr.			
Cascara Compound.....		65	2 65	4 00
Each dessertspoonful represents				
Cascara Sagrada.....	10 gr			
Senna.....	10 gr			
Podophyllum.....	5 gr			
Hyoscyamus.....	2 gr			
Potass. Bicarb.....	5 gr			
Cascara Laxative.....		60	2 50	3 75
Each dessertspoonful represents				
Cascara Sagrada.....	10 gr			
Berberis Aquifolium.....	5 gr			
Combined with Aromatics.				
Cathartic Compound.....		60	2 50	3 75
Each dessertspoonful represents				
Senna.....	15 gr			
Butternut.....	7½ gr			
Mandrake.....	4 gr			
Rochelle Salts.....	15 gr			

For other Cathartic and Laxative Elixirs see Buckthorn Compound and Senna Compound.



ELIXIRS.

Prices include containers.

	1 pt. bots. each.	5 pt. bots. each.	Gal. bots. each.
ELIXIR, Celery Compound, see Glyceroles, index.			
Celery and Guarana.....	\$ 0 85	\$3 65	\$5 50
Each fluidrachm represents			
Celery Seed.....	7½ gr		
Guarana.....	7½ gr		
Chloral Hydrate.....	55	2 30	3 50
Each fluidrachm contains			
Chloral Hydrate.....	5 gr		
Chloral Hydrate and Potassium Bromide.....	65	2 65	4 00
Each fluidrachm contains			
Chloral Hydrate.....	5 gr		
Potassium Bromide.....	5 gr		
Chloral Hydrate and Potassium Bromide Compound.....	85	3 85	5 75
Each fluidrachm contains			
Chloral Hydrate.....	7½ gr		
Potassium Bromide.....	7½ gr		
Ext. Hyoscyamus.....	⅛ gr		
Ext. Cannabis Indica.....	⅛ gr		
Chloral and Potass. Bromide Comp. (Mistura).....	1 50		
Each fluidrachm contains 15 grains each of Chloral and of Bromide of Potassium, and ⅛ grain each of Extract of Indian Cannabis and of Extract of Hyoscyamus.			
Chloroform Comp.....	85	3 65	5 50
Each fluidrachm represents			
Opium.....	1 gr		
Chloroform.....	11 min		
Spts. of Camphor.....	11 min		
Aromatic Spts. of Ammonia.....	11 min		
This preparation is called Chloroform Paregoric in some sections of the country.			
Cimicifuga.....	60	2 50	3 75
Each fluidrachm represents			
Black Cohosh.....	15 gr		
Cimicifuga Compound.....	60	2 50	3 75
Each fluidrachm represents			
Black Cohosh.....	5 gr		
Wild Cherry Bark.....	5 gr		
Blood Root.....	1½ gr		
Licorice.....	1½ gr		
Elixir Cinchona, Detannated.....	60	2 50	3 75
Each fluidrachm represents			
Yellow Cinchona.....	4 gr		
This preparation is made direct from the bark and is the base for the following Compound Elixirs of Cinchona.			
Cinchona and Iron.....	65	2 85	4 25
Each fluidrachm contains			
Phosphate of Iron.....	2 gr		
Combined with Elixir Cinchona.			



ELIXIRS.

Prices include containers.

	1 pt. bots. each.	5 pt. bots. each.	Gal. bots. each.
ELIXIR, Cinchona; Iron and Strychnine	\$ 0 65	\$2 85	\$4 25
Each fluidrachm contains			
Phosphate of Iron.....2 gr			
Sulphate of Strychnine.....1-64 gr			
Combined with Elixir Cinchona.			
Cinchona and Lactophosphates Compound.....	75	3 35	5 00
Each fluidrachm contains			
Lactophosphate of Lime..... $\frac{3}{4}$ gr			
Lactophosphate of Iron.....2 gr			
Coca leaves.....	65	2 85	4 25
Each fluidrachm represents			
Coca leaves.....20 gr			
Coca and Celery.....	60	2 50	3 75
Each fluidrachm represents			
Coca Leaves.....5 gr			
Celery Seed.....4 gr			
Coca Compound.....	60	2 50	3 75
Each fluidrachm represents			
Coca Leaves.....5 gr			
Celery Seed..... $3\frac{1}{2}$ gr			
Black Haw Bark..... $3\frac{1}{2}$ gr			
This preparation has a well deserved reputation as a nerve tonic, stimulant and anti-spasmodic.			
Very valuable in cases of general debility and nervous prostration, from whatever cause. Useful in cases of protracted convalescence following acute maladies, and in the exhaustion experienced in phthisis and chronic diarrhoea long continued. Highly recommended in hyperesthesia, vertigo, melancholia, and in cases of nervous excitability bordering on insanity.			
Corydalis Comp.....	65	2 85	4 25
Each fluidrachm represents			
Turkey corn.....8 gr			
Stillingia.....8 gr			
Prickly Ash.....8 gr			
Blue Flag.....6 gr			
Potassium Iodide.....1 gr			
Damiana.....	65	2 85	4 25
Each fluidrachm represents			
Damiana.....15 gr			
Damiana, Iron and Nux Vomica.....	75	3 25	4 75
Each fluidrachm represents			
Damiana.....10 gr			
Pyrophosphate Iron.....1 gr			
Ext. Nux Vomica..... $\frac{1}{4}$ gr			
Damiana, Iron and Phosphorus.....	75	3 25	4 75
Each fluidrachm represents			
Damiana.....10 gr			
Pyrophosphate Iron.....1 gr			
Phosphorus.....1-100 gr			



ELIXIRS.

Prices include containers.

	1-pt. bots. each.	5-pt. bots. each.	Gal. bots. each.
ELIXIRS Damiana, Iron, Phos. and Nux Vomica.....	\$0 75	\$3 25	\$4 75

Each fluidrachm represents

Damiana.....	10 gr
Pyrophosphate Iron.....	.1 gr
Ext. Nux. Vomica.....	$\frac{1}{4}$ gr
Phosphorus.....	1-100 gr

Dandelion Comp. (See Taraxacum Comp.)

Digestive Aromatic. (See Synergia.)

Diuretic.....	65	2 60	4 00
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Each dessert-spoonful represents

Buchu.....	15 gr
Juniper.....	$7\frac{1}{2}$ gr
Acetate Potassium.....	10 gr

This is an elegant combination of the three best known and most reliable remedies for the treatment of urinary affections. The well-known efficacy of these drugs, combined with the very palatable preparation of the compound, makes this one of the most valuable of diuretics to the physician.

Useful in nearly all nephritic and urinary troubles, especially when accompanied by hepatic torpor and dyspepsia.

Emmenagogue.....	65	2 65	4 00
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Each fluidrachm represents

Aloes.....	$1\frac{1}{2}$ gr
Rue.....	$\frac{3}{4}$ gr
Saffron.....	$\frac{3}{4}$ gr
Savin.....	$\frac{3}{4}$ gr

Eucalyptus Comp.....	65	2 65	4 00
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Each fluidrachm contains

Eucalyptus.....	10 gr
Grindelia Squarosa.....	5 gr
Golden Seal.....	$2\frac{1}{2}$ gr
Combined with Aromatics.	

Gentian Compound.....	50	1 85	2 75
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Each fluidrachm represents

Gentian.....	.2 gr
Orange Peel.....	.1 gr
Cardamom.....	$\frac{1}{2}$ gr

Gentian and Mur. Tinct. of Iron.....	50	1 85	2 75
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Each fluidrachm represents

Gentian.....	.2 gr
Mur. Tinct. Iron.....	5 drops

Gentian and Tinct. Iron Fort.....	50	2 00	3 00
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Each fluidrachm represents

Gentian.....	.2 gr
Mur. Tinct. Iron.....	10 drops



ELIXIRS.

Prices include containers.

	1-pt. bots. each.	5-pt. bots. each.	Gal. bots. each.
ELIXIR, Gentian and Pyrophosphate Iron.....	\$ 0 50	\$2 00	\$3 00
Each fluidrachm represents			
Gentian .....	.2 gr		
Pyrophosphate Iron.....	.1 gr		
Grindelia Comp.	65	2 65	4 00
Each fluidrachm represents			
Grindelia Robusta.....	.8 gr		
White Pine Bark.....	.4 gr		
Balm of Gilead Buds.....	.2 gr		
Wild Cherry Bark.....	.4 gr		
Blood Root.....	.1 gr		
In combination with aromatics possessing stimulant and antiseptic properties.			
An excellent remedy for general use in bronchial and pulmonary affections, coughs, colds, etc.			
Guarana.	80	3 50	5 25
Each fluidrachm represents			
Guarana.....	.10 gr		
Helonias Comp.	60	2 50	3 75
Each fluidrachm represents			
Partridge Berry... ..	.8 gr		
Cramp Bark.....	.4 gr		
Blue Cohosh.....	.4 gr		
Helonias Dioica.....	.4 gr		
Hydrangea Compound (lithiated).....	75	3 35	5 00
Each fluidounce represents			
Hydrangea.....	.40 gr		
Shepherd's Purse.....	.40 gr		
Pichi.....	.40 gr		
Benzo-Salicylate of Lithia....	.10 gr		
Combined with Compound Spirits of Juniper and Aromatics.			
This is an excellent urinary tonic and stimulant, adapted more especially to the treatment of calculous affections, uric-acid diathesis, irritable bladder, etc.			
Ipecac and Opium.....	75	3 35	5 00
Each fluidrachm represents			
Ipecac and Opium, each.....	.1 gr		
Iron, Bismuth and Strychnine.....	60	2 50	3 75
Each fluidrachm contains			
Pyrophosphate Iron.....	.1 gr		
Am. Cit. Bismuth.....	.1 gr		
Strychnine.....	1-64 gr		
Iron, Citrate.....	50	1 85	2 75
Each fluidrachm contains			
Am. Cit. Iron.....	.2 gr		
Iron, Protoxide.....	50	1 85	2 75
Each fluidrachm contains			
Protoxide Iron.....	.2 gr		
Iron, Pyrophosphates.....	50	1 85	2 75
Each fluidrachm contains			
Pyrophosphate Iron.....	.2 gr		



ELIXIRS.

Prices include containers.

	1-pt. bots. each.	5-pt. bots. each.	Gal. bots. each.
ELIXIR, Iron and Quinine.....	\$ 0 55	\$2 30	\$3 50
Each fluidrachm contains			
Pyrophosphate Iron.....1 gr			
Quinine Sul.....½ gr			
Iron, Quinine and Strychnine.....	55	2 30	3 50
Each fluidrachm contains			
Pyrophosphate Iron.....1 gr			
Quinine Sul.....½ gr			
Strychnine.....1-64 gr			
Laxative Comp.....	60	2 50	3 75
Each dessert-spoonful represents			
Cascara Sagrada.....15 gr			
Butternut.....10 gr			
Senna.....10 gr			
Rhubarb.....10 gr			
This is an excellent laxative and safe purgative, well adapted to those affections in which a decided but not violent impression is desired.			
NOTE: This preparation is free from bitterness, and its administration is not followed by any disagreeable symptoms.			
Liquorice Aromatic, (Elixir Adjuvans.).....	50	1 85	2 75
This preparation is chiefly intended as a vehicle for masking the taste of Quinine and other bitter or saline remedies.			
Malt, see Fluid Malt.			
Manaca and Salicylates.....	1 00	4 50	7 00
Each fluidrachm represents			
Manaca.....10 gr			
Sodium Salicylate.....2 gr			
Potassium Salicylate.....2 gr			
Lithium Salicylate.....½ gr			
NOTE —When Elixir Manaca and Salicylates is ordered, without any specification of formula, the preparation above quoted will be supplied.			
Mur. Tinct. Iron (tasteless).....	50	1 85	2 75
Each fluidrachm contains			
10 min. (about 12 drops) Mur. Tinct. Iron.			
Pepsin.....	65	2 65	4 00
Same strength as Liquid Pepsin, Neutral.			
Pepsin and Bismuth.....	70	3 00	4 50
Each fluidrachm contains			
Am. Cit. Bismuth.....1 gr			
Combined with Liquid Pepsin, Neutral.			
Pepsin, Bismuth and Iron.....	75	3 25	4 75
Each fluidrachm contains			
Am. Cit. Bismuth.....1 gr			
Pyrophosphate Iron.....1 gr			
Combined with Liquid Pepsin, Neutral.			
Pepsin, Bismuth and Strychnine.....	70	3 00	4 50
Each fluidrachm contains			
Am. Cit. Bismuth.....1 gr			
Strychnine.....1-64 gr			
Combined with Liquid Pepsin, Neutral.			



ELIXIRS.

Prices include containers.			
	1-pt. bots. each.	5-pt. bots. each.	Gal. bots. each.
ELIXIR, Pepsin, Strychnine and Iron.....	\$ 0 70	\$3 00	\$4 50
Each fluidrachm contains			
Pyrophosphate Iron.....1 gr			
Strychnine.....1-64 gr			
Combined with Liquid Pepsin, Neutral.			
Pepsin and Wafer Ash.....	70	3 00	4 50
Each fluidrachm represents			
Wafer Ash.....4 gr			
Combined with Liquid Pepsin, Neutral.			
See also Glycerole of Pepsin and Wafer Ash.			
Phosphates Iron, Quinine and Strychnine.....	75	3 25	4 75
Each fluidrachm contains			
Phosphate Iron.....2 gr			
Quinine.....1 gr			
Strychnine.....1-32 gr			
Phosphorus.....	60	2 50	3 75
Each fluidrachm contains			
Phosphorus.....1-50 gr			
Phosphorus and Nux Vomica.....	65	2 65	4 00
Each fluidrachm represents			
Tincture of Nux Vomica.....2 min			
Phosphorus.....1-50 gr			
Rheumatic.....	70	3 00	4 50
Each fluidrachm contains			
Salicylic Acid..... $\frac{1}{2}$ gr			
Colchicum Seed..... $1\frac{1}{2}$ gr			
Quinine..... $\frac{1}{2}$ gr			
Rhubarb Comp. with Pancreatin and Soda, (see Alkaline Cordial).....	60	2 50	3 75
Rhubarb and Potass. (Syrup Rhubarb and Potass) Same strength as Syrups Rhei et Potass, A. D.	50	2 00	3 00
Salicylate Soda.....	70	3 00	4 50
Each fluidrachm represents			
Salicylate Soda.....10 gr			
Sanguinaria Compound without Morphine.....	60	2 50	3 75
Sanguinaria Compound.....	60	2 50	3 75
Each fluidrachm represents			
Sanguinaria..... $1\frac{1}{2}$ gr			
Ipecac.....1 gr			
Morphine.....1-16 gr			
Combined with Licorice.			

This really elegant and effective specific for Coughs, Colds, and all Bronchial Affections, has now become a standard remedy in the hands of nearly every physician and druggist who has given it a trial. Its short and simple formula, composed of remedies whose therapeutic actions are definite and positive, commends itself at once to every practitioner as being a preparation that can be relied upon. It will be found efficacious in all cases of Bronchitis, Dry Coughs, Tickling and Dryness of the Throat, Constriction of the Throat and Chest, Pneumonia, Laryngitis, Croup, etc.



ELIXIRS.

	Prices include containers.	1-pt. bots. each.	5-pt. bots. each.	Gal. bots. each.
ELIXIR, Salicylate Soda Comp.....		\$ 0 80	\$3 50	\$5 25
Each fluidrachm represents				
Salicylate Soda.....	10 gr			
Black Cohosh.....	5 gr			
Jaborandi Leaves.....	5 gr			
Colchicum Seed.....	2 gr			
Sarsaparilla Compound.....		55	2 30	3 50
Same strength as Syrupus Sarsaparilla Comp., U. S. P.				
Sarsaparilla Comp. and Iodide Potass.....		75	3 25	4 75
Each fluidrachm contains				
Iodide Potassium.....	5 gr			
Comb. with Elix. Sarsaparilla Comp.				
Sarsaparilla Comp., Red Clover and Iod. Pot.....		85	3 85	5 75
Each fluidrachm represents				
Iodide Potass.....	5 gr			
Red Clover.....	10 gr			
Combined with Elix. Sarsaparilla Comp.				
Sedative.....		70	3 00	4 50
Each fluidrachm contains				
Bromide Potass.....	5 gr			
Valerinate Ammonia.....	1 gr			
Morphine.....	1-16 gr			
Senna Compound.....		60	50	3 75
Each dessert-spoonful represents				
Senna.....	15 gr			
Rhubarb.....	7½ gr			
Jalap.....	4 gr			
Mandrake.....	4 gr			
Simple, (See Elixir Aromatic)				
Sodium, Bromide (See Elix. Bromide of Sodium)		50	2 00	3 00
Sodium, Salicylate (See Elix. Salicylate of Sodium)		70	3 00	4 50
Strychnine and Iron.....		50	2 00	3 00
Each fluidrachm contains				
Strychnine.....	1-32 gr			
Pyrophosphate of Iron.....	1 gr			
Taraxicum Compound.....		60	2 30	3 50
This Elixir is chiefly intended as a vehicle or corrigent to cover the bitter taste of Quinine and other remedies.				
Viburnum Comp.....		60	2 50	3 75
Each fluidrachm represents				
Viburnum Opulus.....	5 gr			
Trillium.....	10 gr			
Aletris.....	5 gr			
Combined with Aromatics.				
Wahoo Aromatic.....		60	2 50	3 75
Each fluidrachm represents				
Wahoo (Bark of root).....	20 gr			
Combined with Aromatics.				
Wahoo and Blue Flag.....		60	2 50	3 75
Each fluidrachm represents				
Wahoo (Bark of root).....	10 gr			
Blue Flag.....	10 gr			



STANDARD FLUID EXTRACTS.

In Pint, Half-Pint, Quarter-Pint and Five-Pint Bottles.

NET PRICES.

The standard of strength of this class of pharmaceutical preparations conforms with that now prevailing in pharmacy, and with the therapeutical requirements of the United States Pharmacopœia, which requires that a fluid extract shall therapeutically represent cubic centimeter for gramme of the drug from which it is prepared. In the manufacture of fluid extracts, much depends upon the quality of the crude drug and to its proper medicinal exhaustion. In our fluids none but prime, high grade goods of uniform quality are employed, and the process and solvent are those which, by experience, we have found best adapted in dissolving medicinal principles to the exclusion of non-medicinal, adjusting the finished product to a uniform standard of strength. The price per pint will be reduced ten cents when ordered in five-pint bottles. Ten cents per pint will be added when ordered in one-half pint bottles and twenty-cents per pint when ordered in one-fourth pound bottles.

	Per lb.
Aconite Leaves (<i>Aconitum Napellus</i>).....	\$ 0 80
Aconite Root, U. S. P., assayed (<i>Aconitum Napellus</i>).....	90
Agrimony (<i>Agrimonium Eupatoria</i>).....	80
Ailanthus Glanduloso.....	1 40
Aloes (<i>Aloe Socotrina</i>).....	1 25
Alterative Compound.....	95
Angelica Root (<i>Angelica Archangelica</i>).....	90
Arbor Vitæ (<i>Thuja Occidentalis</i>).....	90
Areca Nuts (<i>Areca Catechu</i>).....	1 70
Arnica flowers (<i>Arnica Montana</i>).....	90
Arnica Root, U. S. P.....	90
Aromatic, U. S. P.....	1 85
Bael Fruit (<i>Ægle Marmelos</i>).....	1 70
Balm (<i>Melissa Officinalis</i>).....	90
Balmomy (<i>Chelone Glabra</i>).....	65
Barberry Bark (<i>Berberis Vulgaris</i>).....	90
Bayberry (<i>Myrica Cerifera</i>).....	65
Bearsfoot (<i>Polymia Uvedalia</i>).....	1 30
Belladonna Leaf, assayed (<i>Atropa Belladonna</i>).....	95
Belladonna Root, U. S. P., assayed (<i>Atropa Belladonna</i>).....	1 10
Berberis Aquifolium (<i>Oregon Grape Root</i>).....	1 50
Beth Root (<i>Trillium Pendulum</i>).....	80
Bitter Root (<i>Apocynum Androsæmifolium</i>).....	90
Bittersweet, true, U. S. P. (<i>Solanum Dulcamara</i>).....	90



STANDARD FLUID EXTRACTS.

	Per lb.
Bittersweet, false (<i>Celastrus Scandens</i>).....	\$ 0 80
Blackberry Root (<i>Rubus Villosus</i>).....	75
Black Cohosh (<i>Cimicifuga Racemosa</i>).....	90
Black Haw (<i>Viburnum Prunifolium</i>).....	90
Black Willow Bark (<i>Salix Nigra</i>).....	1 60
Black Willow Buds (<i>Salix Nigra</i>)...	1 00
Blessed Thistle (<i>Centaurea Benedicta</i>).....	90
Bloodroot (<i>Sanguinaria Canadensis</i>).....	80
Blue Cohosh (<i>Caulophyllum Thalictroides</i>).....	70
Blue Flag (<i>Iris Versicolor</i>).....	80
Boldo Leaves (<i>Pneumus Boldo</i>).....	2 25
Boneset (<i>Eupatorium Perfoliatum</i>).....	65
Broom Tops (<i>Cytisus Scoparius</i>).....	80
Buchu, U. S. P. (<i>Barosma Betulina</i>).....	1 10
Buchu Compound.....	1 10
Buchu and Juniper, with Acetate of Potass.....	1 10
Buchu and Pareira Brava.....	1 10
Buckthorn Bark, U. S. P. (<i>Rhamnus Frangula</i>).....	75
Bugleweed (<i>Lycopus Virginicus</i>).....	65
Burdock Root (<i>Lappa Minor</i>).....	65
Butternut, Bark of Root (<i>Juglans Cinerea</i>).....	75
Cactus Grandiflorus, fresh plant (<i>Night Blooming Cereus</i>).....	3 00
Calabar Bean (<i>Physostigma Venenosum</i>).....	2 70
Calamus, U. S. P. (<i>Acorus Calamus</i>).....	90
Calendula Flowers (<i>Calendula Officinalis</i>).....	1 80
California Laurel (<i>Umbellaria Californica</i>)....	3 00
Cannabis Indica, U. S. P., assayed (<i>Cannabis sativa var. Indica</i>).....	1 10
Cantharides.....	4 15
Cardamom Comp.....	1 80
Cascara Amarga.....	2 25
Cascara Aromatic.....	1 10
Cascara Sagrada (<i>Rhamnus Purshiana</i>).....	90
Cascara Sagrada, tasteless.....	1 25
This preparation has the merit of being free from bitterness. Its action on the bowels is identical with our regular Fluid Extract of Cascara Sagrada.	
Our preparations of Cascara Sagrada are prepared from the true California Bark, well seasoned before being made up.	
Catechu (<i>Acacia Catechu</i>).....	90
Catnep (<i>Nepeta Cataria</i>).....	65
Cayenne (<i>Capsicum Annuum</i>).....	1 10
Celery Seed (<i>Apium Graveolens</i>).....	1 35
Chamomile (<i>Anthemis Nobilis</i>).....	90
Chamomile German (<i>Matricaria Chamomilla</i>)...	90
Cherry bark, detannated (<i>Prunus serotina</i>).....	1 05
Cherry bark, U. S. P. (<i>Prunus serotina</i>).....	80
Cherry bark, for syrup (<i>Prunus serotina</i>).....	80
Cheken (<i>Myrtus Chekan</i>).....	3 00
Chestnut Leaves (<i>Castanea Vesca</i>).....	70
Cinchona Aromatic.....	1 35



STANDARD FLUID EXTRACTS.

	Per lb.
Cinchona Calisaya, U. S. P., assayed (<i>Cinchona Flava</i>).....	\$ 1 10
Cinchona Comp.....	1 10
Cinchona Pallida.....	95
Cinchona Red, assayed (<i>Cinchona Rubra</i>).....	1 10
Cleavers (<i>Galium Aparine</i>).....	65
Coca Leaves, assayed (<i>Erythroxylon Coca</i>).....	1 50
Coffee, for syrup (<i>Coffea Arabica</i>).....	1 10
Colchicum Root, assayed (<i>Colchicum Autumnale</i>).....	90
Colchicum Seed, assayed (<i>Colchicum Autumnale</i>).....	1 10
Colocynth (<i>Citrullus Colocynthus</i>).....	1 30
Columbo (<i>Cocculus Palmatus</i>).....	90
Comfrey (<i>Symphytum Officinale</i>).....	70
Conium, U. S. P., assayed (<i>Conium Maculatum</i>).....	1 10
Conium Leaf (<i>Conium Maculatum</i>).....	90
Coriander (<i>Coriander Sativum</i>).....	90
Corn Ergot (<i>Ustilago Maidis</i>).....	1 30
Corn Silk (<i>Stigmata Maidis</i>).....	1 10
Coto Bark.....	3 00
Cotton Root Bark (<i>Gossypium Herbaceum</i>).....	95
Couch Grass, U. S. P. (<i>Triticum repens</i>).....	80
Cramp Bark (<i>Viburnum Opulus</i>).....	70
Cranesbill (<i>Geranium Maculatum</i>).....	80
Cubeb, U. S. P. (<i>Cubeba officinalis</i>).....	1 90
Culvers Root, U. S. P. (<i>Leptandra virginica</i>).....	95
Damiana (<i>Turnera Aphrodisiaca</i>).....	1 80
Dandelion, U. S. P. (<i>Taraxacum Dens-leonis</i>).....	95
Digitalis, U. S. P., assayed (<i>Digitalis purpurea</i>).....	95
Dog Grass (<i>Triticum Repens</i>).....	80
Dogwood (<i>Cornus Florida</i>).....	70
Dogwood Jamaica (<i>Piscidia Erythrina</i>).....	2 25
Dwarf Elder (<i>Aralia Hispida</i>).....	75
Elder Flowers (<i>Sambucus Canadensis</i>).....	65
Elecampane (<i>Inula Helenium</i>).....	65
Ergot, assayed (<i>Claviceps purpurea</i>).....	1 75
Eucalyptus Globulus.....	85
Euphorbia Pilulifera.....	3 00
Evening Primrose (<i>Oenothera Biennis</i>).....	1 10
Five-Flowered Gentian (<i>Gentiana Quinquiflora</i>).....	1 90
Foxglove, assayed, (<i>Digitalis purpurea</i>).....	95
Fringe Tree (<i>Chionanthus Virginica</i>).....	1 10
Gelsemium, U. S. P., assayed (<i>Gelsemium Sempervirens</i>).....	95
Gentian Root, U. S. P. (<i>Gentiana lutea</i>).....	70
Gentian Compound.....	85
German Chamomile (<i>Matricaria Chamomilla</i>).....	90
Ginger, Jamaica, U. S. P. (<i>Zingiber officinale</i>).....	95
Ginger, soluble for syrup.....	75
Golden Seal (<i>Hydrastis Canadensis</i>).....	1 50
Golden Seal, without alcohol.....	1 00



STANDARD FLUID EXTRACTS.

	Per lb.
Golden Seal, colorless.....	95
One pint of this fluid represents the white alkaloid, Hydrastine, contained in one pound of Golden Seal root of average quality.	
This preparation is free from irritating properties, and being colorless and odorless, is much preferred to the fluid extract for local use.	
Gravel Plant (<i>Epigæ Repens</i>).....	\$ 0 70
Grindelia Robusta, U. S. P.....	1 40
Grindelia Squarrosa.....	1 50
Guaiac Wood (<i>Guaiacum Officinale</i>).....	70
Guarana, U. S. P., assayed (<i>Paullinia Sorbilis</i>).....	3 75
Hair-Cap Moss (<i>Polytrichum Juniperum</i>).....	90
Hellebore, American (<i>Veratrum Viride</i>).....	1 10
Hellebore, black (<i>Helleborus Niger</i>).....	90
Hemlock Bark (<i>Abies Canadensis</i>).....	60
Henbane, U. S. P., assayed (<i>Hyoscyamus Niger</i>).....	95
Hops (<i>Humulus Lupulus</i>).....	1 30
Horehound (<i>Marrubium Vulgare</i>).....	70
Horse-Chestnut Bark (<i>Æsculus Hippocastanum</i>).....	90
Horse Nettle Root (<i>Solanum Carolinense</i>).....	1 50
Hydrangea (<i>Hydrangea Arborescens</i>).....	80
Hyssop (<i>Hyssopus Officinalis</i>).....	75
Ignatia Bean (<i>Ignatia Amara</i>)..	1 55
Indian Hemp, assayed, see <i>Cannabis Indica</i> .	
Indian Hemp, black (<i>Apocynum Cannabinum</i>).....	90
Ipecac, U. S. P., assayed (<i>Cephaelis Ipecacuanha</i>).....	3 75
Jaborandi, U. S. P., assayed, (<i>Pilocarpus Pinnatus</i>).....	1 40
Jalap (<i>Exogonium Purga</i>).....	1 50
Jamaica Dogwood (<i>Piscidia Erythrina</i>).....	2 25
Juniper Berries (<i>Juniperus Communis</i>).....	70
Kamala (<i>Rottlera Tinctoria</i>).....	2 25
Kava-Kava (<i>Piper Methysticum</i>).....	1 50
Kooso (<i>Brayera Anthelmintica</i>).....	1 80
Lactucarium.....	11 25
Ladies' Slipper, U. S. P. (<i>Cypripedium Pubescens</i>).....	1 50
Licorice (<i>Glycyrrhiza Glabra</i>).....	65
Licorice, for Quinine Mixtures.....	90
Life Root (<i>Senecio Aureus</i>).....	70
Lily of the Valley Root (<i>Convallaria Majallis</i>).....	95
Lippia Mexicana.....	2 40
Liverwort (<i>Hepatica Americana</i>).....	1 10
Lobelia, U. S. P. (<i>Lobelia Inflata</i>).....	80
Lupulin (<i>Humulus Lupulus</i>).....	2 25
Male Fern (<i>Aspidium Filix Mas</i>).....	95
Malt (see Fluid Malt, page .)	
Manaca (<i>Franciscea Uniflora</i>).....	2 60
Mandrake, U. S. P., assayed (<i>Podophyllum Peltatum</i>).....	80
Marsh Mallow (<i>Althea officinalis</i>).....	75
Matico, U. S. P. (<i>Arlanthe elongata</i>).....	1 35
Mezereon bark, U. S. P. (<i>Dalphonezereum</i>).....	1 10



STANDARD FLUID EXTRACTS.

	Per lb.
Mistletoe (<i>Viscum alba</i>).....	\$ 0 90
Mullein Leaf (<i>Verbascum thap</i>).....	60
Musk Root (<i>Sumbul</i>).....	2 40
Nettle Root (<i>Urtica dioica</i>).....	90
Nux Vomica, U. S. P., assayed (<i>Strychnos nux vomica</i>).....	95
Opium, aqueous and denarcotized, assayed (<i>Tinct. Opii, deod, U. S. P.</i>).....	1 50
Opium, camphorated (<i>for making Paregoric</i>).....	1 30
Orange Peel (<i>Citrus Aurantium</i>).....	80
Orange Peel, bitter, U. S. P.....	80
Pansy (<i>Viola Tricolor</i>).....	90
Pareira Brava (<i>Cissampelos Pareira</i>).....	1 10
Peach Leaves (<i>Amygdalus Persica</i>).....	95
Pennyroyal (<i>Hedeoma Pulegioides</i>).....	70
Penthorum Sedoides.....	1 80
Peppermint (<i>Mentha Piperita</i>).....	75
Pichi (<i>Fabiana Imbricata</i>).....	3 00
Pinkroot (<i>Spigelia Marilandica</i>).....	1 10
Pinkroot and Senna.....	1 10
Pipsissewa (<i>Chimaphila Umbellata</i>).....	75
Pluerisy Root (<i>Asclepias Tuberosa</i>).....	90
Poison Oak (<i>Rhus Toxicodendron</i>).....	1 35
Poke Berries (<i>Phytolacca Decandra</i>).....	1 10
Poke Root (<i>Phytolacca Decandra</i>).....	75
Pomegranate, Bark of Root (<i>Punica Granatum</i>).....	95
Poplar Bark (<i>Populus Tremuloides</i>).....	70
Prickly Ash Bark (U. S. P. (<i>Xanthoxylum Fraxineum</i>)).....	80
Prickly Ash Berries (<i>Xanthoxylum Fraxineum</i>).....	1 90
Pulsatilla (<i>Anemone Pulsatilla</i>).....	1 10
Quassia, U. S. P. (<i>Simaruba Excelsa</i>).....	75
Quebracho (<i>Aspidermo Quebracho</i>).....	1 90
Queen of the Meadow (<i>Eupatorium Purpureum</i>).....	70
Red Clover (<i>Trifolium Pratense</i>).....	90
Rhatany (<i>Krameria Triandra</i>).....	85
Rhubarb (<i>Rheum Officinale</i>).....	1 70
Rhubarb, Aromatic (<i>For Syr. Rhei Aromat</i>).....	1 50
Rhubarb Compound, with Potassa.....	1 35
Rhubarb and Senna.....	1 35
Rhus Aromatica.....	2 25
Rue (<i>Ruta Graccolens</i>).....	75
Sandalwood (<i>Santalum Album</i>).....	2 25
Sarsaparilla, U. S. P. (<i>Smilax officinalis</i>).....	1 10
Sarsaparilla Compound, U. S. P.....	1 10
Sarsaparilla Compound (<i>For Syr. Sars. Co., U. S. P.</i>).....	1 10
Sarsaparilla and Dandelion.....	1 10
Sassafras (<i>Sassafras Officinale</i>).....	68
Savine (<i>Juniperus Sabina</i>).....	75
Saw Palmetto (<i>Sabal Serrulata</i>).....	1 50
Saw Palmetto Compound (See Page....)	1 00



STANDARD FLUID EXTRACTS.

	Per lb.
Scull Cap, U. S. P. (<i>Scutellaria Laterifolia</i>).....	\$1 10
Sea Wrack (<i>Fucus Vesiculosus</i>).....	1 00
Seneka, U. S. P. (<i>Polygala Senega</i>).....	1 80
Senna Alexandria, U. S. P. (<i>Cassia Acutifolia</i>).....	1 10
Shepherd's Purse (<i>Capsella Bursa-pastoris</i>).....	90
Skunk Cabbage (<i>Symplocarpus Fœtidus</i>).....	75
Spikenard (<i>Aralia racemosa</i>).....	70
Squaw Vine (<i>Mitchella repens</i>).....	90
Squaw Vine Comp.....	1 10
Squill Root, U. S. P. (<i>Scilla maritima</i>).....	75
Squill Compound.....	1 30
Star Grass (<i>Aletris Farinosa</i>).....	1 30
Stavesacre Seed (<i>Delphinium Staphisagria</i>).....	1 90
Stillingia, U. S. P. (<i>Stylingia Sylvatica</i>).....	1 10
Stillingia Compound.....	1 10
Stone Root (<i>Collinsonia Canadensis</i>).....	80
Stramonium Leaf (<i>Datura Stramonium</i>).....	80
Stramonium Seed, U. S. P. (<i>Datura Stramonium</i>).....	80
Sumach Berries, U. S. P. (<i>Rhus glabra</i>).....	60
Summer Savory (<i>Satureja hortensis</i>).....	70
Sweet Flag, U. S. P., (<i>Acorus calamus</i>).....	90
Tag Alder (<i>Alnus serrulata</i>).....	60
Tansy (<i>Tanacetum vulgare</i>).....	60
Tolu, soluble for syrup.....	75
Tritici (<i>Triticum Repens</i>).....	80
Turkey-corn, fresh root (<i>Corydalis formosa</i>).....	1 35
Unicorn Root, false (<i>Helonias dioica</i>).....	1 35
Uva Ursi, U. S. P. (<i>Arctostaphylos</i>).....	75
Valerian, U. S. P. (<i>Valeriana officinalis</i>).....	85
Veratrum viride, U. S. P., assayed (<i>American hellebore</i>).....	1 10
Virginia Snake root (<i>Aris Serpentaria</i>).....	1 30
Virginia Stone-crop (<i>Penthorum sedoides</i>).....	1 80
Wafer-ash (<i>Ptelea Trifoliata</i>).....	75
Wahoo (<i>Euonymus Atropurpureus</i>).....	1 10
Water Eyrngo (<i>Eyrngium aquaticum</i>).....	80
Water Pepper (<i>Polygonum Punctatum</i>).....	60
White Oak (<i>Quercus alba</i>).....	60
White Pine (<i>Pinus strobus</i>).....	70
White Poplar (<i>Populus Tremuloides</i>).....	70
Wild Indigo (<i>Baptasia tinctoria</i>).....	70
Wild Yam (<i>Dioscorea Villosa</i>).....	70
Wintergreen (<i>Gualtheria Procumbens</i>).....	70
Witch Hazel, U. S. P. (<i>Hamamelis virginica</i>).....	70
Yellow Dock, U. S. P. (<i>Rumex crispus</i>).....	80
Yellow Parilla (<i>Menispermum canadense</i>).....	90
Yerba Reuma (<i>Frankenia grandifolia</i>).....	1 90
Yerba Santa (<i>Erioduction glutinosum</i>).....	1 85
Yerba Santa, Aromatic, for syrup.....	1 30



EXTRACTS—SOLID.

SPECIAL PRICES MADE FOR SOLID EXTRACTS IN BULK.

	1 oz. jars.
Aconite Root, <i>Aconitum Napellus</i>	\$0 25
Aloes, <i>Socotrine</i>	20
American Valerian, <i>Cypripedium</i>	20
Belladonna, U. S. P.....	25
Belladonna Root.....	25
Berberis <i>Aquifolium</i>	30
Black Haw, <i>Viburnum Prunifol</i>	25
Blue Cohosh, <i>Caulophyllum</i>	16
Butternut, <i>Juglandis</i>	18
<i>Cannabis Indica</i>	51
Cascara Sagrada, <i>Rham Purshiana</i>	30
Coca, <i>Erythrox</i>	50
Colombo, <i>Colomba</i>	25
Cotton Root.....	25
Cranesbill, <i>Geranium</i>	22
Culver's Root, <i>Leptandria</i>	26
Damiana, <i>Turnera Aph</i>	32
Dandelion, <i>Taraxacum</i>	13
<i>Digitalis</i> , U. S. P.....	18
Eucalyptus, <i>Eucalyptus Glob</i>	24
Gentian, <i>Gentiana</i>	12
<i>Gelsemium</i>	24
Golden Seal.....	42
Guarana.....	1 13
Henbane, <i>Hyoscyamus</i> , U. S. P.	24
Hops, <i>Humulus</i>	30
Ignatia Bean, <i>Ignatia Amar</i>	52
Jaborandi.....	50
Jalap, <i>Jalapa</i>	29
Male Fern (Alcoholic), <i>Aspidium</i>	25
Mandrake, <i>Podophyllum</i>	25
Nux Vomica.....	24
Opium.....	75
Rhubarb, <i>Rheum. Pal</i>	30



SOLID EXTRACTS—Continued.

	Per oz.
<i>Senna, Alex</i>	\$0 23
<i>Stramonti Folia</i> (Alcoholic).....	18
<i>Valerian, Valeriana Officinalis</i>	21
<i>Wahoo Euonymus</i>	24

EXTRACTS—SOLID—POWDERED.

These Powders, by exposure to heat or moisture, are liable to cake or become partially solid, AND ARE SOLD SUBJECT TO THAT CHANGE.

IN 1 OZ. BOTTLES.

	Per oz.
<i>Aconite Root, Aconitum R</i>	30
<i>Aloes, Socotrine</i>	30
<i>Belladonna, Atropa Belladonna</i>	35
<i>Black Haw, Viburnum Prunifol</i>	38
<i>Bloodroot, Sanguinarin Canad</i>	30
<i>Butternut Bark, Juglans Cln</i>	30
<i>Cascara Sagrada</i>	45
<i>Cherry Bark, Prunus Vir</i>	25
<i>Cohosh, Black, Cimicifuga Rac</i>	30
<i>Cohosh, Blue, Caulophyllum</i>	32
<i>Colocynth, Colocynthis</i>	45
<i>Colocynth, Compound</i>	23
<i>Conium, Conium Mac</i>	32
<i>Cranesbill, Geranium</i>	32
<i>Culver's Root, Leptandria</i>	35
<i>Dandelion, Taraxacum</i>	30
<i>Digitalis</i>	30
<i>Gentian, Gentiana</i>	30
<i>Golden Seal, Hydrastis Canadensis</i>	50
<i>Hellebore, Black, Helleborus Niger</i>	30
<i>Hemlock, Abies Canad</i>	17
<i>Henbane, Hyoscyamus</i>	35
<i>Ignatia, Ignatia Amara</i>	75
<i>Ipecac</i>	1 70
<i>Jalap, Ipomœa Jalap</i>	34
<i>Lobelia, Lobelia Inflata</i>	40
<i>Mandrake, Podophyllum</i>	30
<i>Nux Vomica, Strychnos Nux Vomica</i>	30
<i>Opium</i>	90
<i>Ox Gall, Purified</i>	25
<i>Quassia, Simaruba Excelsor</i>	38
<i>Rhatany, Krameria</i>	30
<i>Rhubarb, Rheum Palmiatum</i>	34
<i>Stramonium, Stramonium Fol</i>	30
<i>Valerian</i>	30
<i>Witch Hazel, Hamamelis</i>	30



ROWORTH'S LONDON HOSPITAL THROAT LOZENGES

As Formulated by MORELL MACKENZIE, M. D., Honorary Medical Superintendent of the Hospital for the Diseases of the Throat, GOLDEN SQUARE, LONDON, and Physician to the Emperor of Germany.

Being the first house in the United States to secure and introduce the formulas of DR. MORELL MACKENZIE (*of the London Hospital for the Treatment of Throat Complaints*), we take great pleasure in stating that our efforts have met with a success far beyond our most sanguine expectations. They have received the endorsement of the most eminent physicians, and as an evidence of the accuracy and the beneficial results derived from the use of the troches made by us, we have but to state that our manufacture of them has increased year by year.

These Lozenges are, with the exceptions of those containing Carbolic Acid, made with Black Currant and Red Currant Fruit Pastes, in all cases where they are prescribed for their *immediate local effect*. Most of the Lozenges contain from 70 to 80 per cent of Fruit Pastes in each, 1 to 2 per cent of po. trag., 4 per cent of sugar, and varying quantities of the medicaments, according to the formula given.

These Lozenges are compounded in the old, well tested and scientific manner and are far superior to the modern compressed lozenge or tablet, which often irritates and injures the delicate membranes of the throat.

The excipients used in these Lozenges allay irritation, and assist the proper action of the medicine.

TROCHISCI ACIDI BENZOICI	1 lb \$1 80	TROCHISCI CUBEÆ	1 lb \$1 80
(Each lozenge contains ½ gr. Benzoic Acid.)	Marked B. A.	(Each lozenge contains ½ gr. of Cubebs.)	Marked C. B.
USE—A most valuable stimulant and "voice lozenge."		USE—Very serviceable in diminishing excessive secretion of mucous from pharynx, larynx or tracheæ.	
TROCHISCI ALTHEÆ	1 80	TROCHISCI KINO	1 80
(Each lozenge contains 1-17 grs. decorated Marshmallow.)		(Each lozenge contains 2 grs. of Kino.)	Marked K.
USE—Emollient; valuable after excision of the tonsils or uvula.		USE—Astringent.	
TROCHISCI ACIDI CARBOLICI	1 00	TROCHISCI GUAIACI	1 80
(Each lozenge contains 1 gr. Carbolic Acid.)	Marked C. A.	(Each lozenge contains 2 grs. Guaiacum Resin.)	Marked G.
USE—Antiseptic and stimulant.		USE—A specific for arresting crescent inflammation of the tonsils, and pharynx.	
TROCHISCI CATECHU	1 80	TROCHISCI KRAMERLE	2 00
(Each lozenge contains 2 grs. Ext. of Catechu.)	Marked C. T.	(Each lozenge contains 3 grs. of Rhatany.)	Marked R.
USE—Astringent.		USE—A very powerful astringent Rhatany does not disagree with the stomach, as is often the case with tannic acid, nor does it cause constipation.	
TROCHISCI POTASSÆ CHLORATIS	1 80	TROCHISCI PYRETHRI	1 80
(Each lozenge contains 3 grs. of Chlorate of Pot.)	Marked P.	(Each lozenge contains 1 gr. Pellitory.)	Marked P. R.
USE—Stimulating and antiseptic.		USE—A very valuable sialogogue.	
TROCHISCI LACTUCÆ	1 80	TROCHISCI HÆMATOXYLI	1 80
(Each lozenge contains 1 gr. of Ext. of Lettuce.)	Marked L.	(Each lozenge contains 2 grs. Ext. Logwood.)	Marked L. W.
USE—Soothing and mildly sedative.		USE—Mildly astringent.	
TROCHISCI SEDATIVI	1 80	TROCHISCI POTASSÆ TAR. ACIDÆ	1 80
(Each lozenge contains 1-10 of a gr. Ext. of Opium.)	Marked S.	(Each lozenge contains 3 grs. Acid Tart. of Pot.)	Marked T. P.
USE—Sedative for irritative coughs.		USE—Topical sialogogue.	
TROCHISCI ACIDI TANNICI	1 80	TROCHISCI POTASSÆ CITRATIS	1 80
(Each lozenge contains 1½ grs. of Tannic Acid.)	Marked T.	(Each lozenge contains 3 grs. of Citrate of Pot.)	Marked C. P.
USE—Strongly astringent.		USE—Topical sialogogue.	
ACONITE, 1-6 gr.	1 80	EUCALYPTUS, 3 gr., Chlo. Pot., 1 grs.	1 80
ALUM. AND KINO	1 80	EUCALYPTUS CUBEÆ, ½ gr.	1 80
Alum. 2 grs.; Kino, 2 grs.		KRAMERLE AND CHLOR. POTASS.	2 00
GUAIAC. AND TANNIN	1 80	Kr. and Chlor. Potas., 2 grs.	
Guaiac. 2 grs.; Tannin, 1 gr.		MURIATE AMMONIA AND CUBEÆ	1 80
CAPSICUM, 1-5 gr.	1 80	Muriate Ammonia, 1 gr.; Cubeb, 1 gr.	
TANNIN AND CHLORATE POTASSA	1 80	SALICYLIC ACID AND CHLOR. POTASS.	1 80
Tannin, 1 gr.; Chlorate Potassa, 2 grs.		Sal. Acid, ½ gr.; Chlor. Potass., 2 grs.	
POTASSIUM BROMIDE, 4 grs.	1 80	MURIATE AMMONIA AND CHLORATE POTASSA, 1 gr. each.	1 80
MURIATE AMMONIA, 2 grs.	1 80	BORAX, 2½ grs.	1 80
SALICYLIC ACID, ½ gr.	1 80		
MUR. AMMON. AND GUAIAC, 1 gr. each.	1 80		
BORACIC ACID, 3 grs.	1 80		
BENZOIC ACID AND CUBEÆ	1 80		
Benzoic Acid, ½ gr.; Cubeb, ½ gr.			
BENZOIC ACID AND GUAIAC	1 80		
Benzoic Acid, ½ gr.; Guaiac, 2 grs.			
BENZOIC ACID AND MUR. AMMON.	1 80		
Benzoic Acid, ½ gr.; Mur. Amm., 2 grs.			
ZINGIBERIS, 1-5 gr.	1 80		
GUAIAC, 5 grs.	1 80		
GUAIAC AND CHLOR. POTAS., 2 grs. each.	1 80		
GUAIAC AND CATECHU, 2 grs. each.	1 80		

HAS TRUAX GREENE & CO.

ALTHEA LOZENGES.....lb	\$0 90
ALUM LOZENGES, 2 grs.....lb	50
“ AND CHLOR. POT. LOZENGES, 1 gr. each.....lb	65
ALUM AND CUBEZ LOZENGES.....lb	65
Alum, 2-5 grs.; Cubez, ¼ gr.....lb	
ALUM AND IPECAC LOZENGES.....lb	80
“ “ KINO LOZENGES.....lb	65
Alum, 1¼ grs.; Kino, ¾ gr.....lb	1 25
AMMONIA, Dr. Jackson's.....lb	60
“ MURIATE, 2 grs.....lb	60
AMMONIA MURIATE AND CHL. POT., 1 gr. each.....lb	60
BELLADONNA COMP.....lb	1 00
Bellad., ½ gr.; Chl. Pot., 2 grs.....lb	80
BENZOIC ACID, ½ gr.....lb	1 50
BISMUTH AND CAMPHOR.....lb	1 00
Bismuth, 5 grs.; Camphor, ½ gr.....lb	1 00
BISMUTH AND CHARCOAL.....lb	70
Bismuth, 2 grs.; Charcoal, 5 grs.....lb	60
BLACKCURRANT ENG.....lb	75
BLOODROOT, ½ gr.....lb	75
BORACIC ACID, 2 grs.....lb	75
BORAX, Refined, 2 grs.....lb	80
BRONCHIAL TROCHES, Standard.....lb	75
BROWN MIXTURE, 3 Lic.....lb	
Opium, 1-20; Tart., 1-40; Anise, 1-20.....lb	1 00
BUCHU COMP., 5 grs.....lb	60
CALOMEL, 1 gr., 2 grs.....lb	50
CAMPHOR, ¼ gr.....lb	60
“ AND CHLO. POT.....lb	80
Camphor, ½ gr.; Chlo. Pot., 2 grs.....lb	70
CARBOLIC ACID AND CHLO. POT.....lb	90
Carbolic Acid, ½ gr.; Chlo. Pot., 2 grs.....lb	1 00
CHAMOMILE AND GINGER.....lb	1 75
CHARCOAL FRENCH, 10 grs.....lb	
CHLORODYNE, 2 drops.....lb	80
CODEINE AND CHLO. POT.....lb	80
Codeine, ½ gr.; Chlo. Pot., 2 grs.....lb	80
CONIUM AND IPECAC, 1 gr. each.....lb	80
CUBEZ.....lb	80
DIGESTIVE.....lb	50
ELM, SLIPPERY, 3 grs.....lb	1 00
EUCALYPTUS, 3 grs., 2 grs.....lb	80
GUAIACUM, 2 grs.....lb	
“ AND CHLOR. POTAS., 2 grs.....lb	75
each.....lb	75
GUAIACUM AND TANNIN.....lb	1 00
Guaiacum, 2 grs.; Tannin, ½ gr.....lb	60
HEARTBURN.....lb	60
IPECAC, ¼ gr.....lb	60
“ MUR. AMM.....lb	1 20
IRON BY HYDROGEN, 1 gr.....lb	80
“ CARBONATE, 5 grs.....lb	1 50
“ PYRO. PHOS. AND BISMUTH.....lb	
Iron, ½ gr.; Bismuth, 2 grs.....lb	70
IRON AND CHOCOLATE, 1, 2, 3 grs.....lb	60
“ “ DROPS, ½ gr.....lb	60
KERME'S MINERAL.....lb	
L., 1 gr.; Sulph. Antimony, 1-5 gr.; Pyro. Phos. Iron, ½ gr.; Cubez, ¼ gr.....lb	70
KINO, 2 grs.....lb	1 75
LACTUCARIUM.....lb	1 00
LIME PHOSPHATE, 2 grs.....lb	60
MAGNESIA CALCINED, 1 gr.....lb	75
“ AND CHLOR. POT.....lb	1 00
“ AND GINGER.....lb	
Magnesia, 5 grs.; Ginger, ½ gr.....lb	75
MAGNESIA AND RHUBARB, 1 gr. each.....lb	75
“ AND SODA.....lb	
Magnesia, 1 gr.; Soda, 2 grs.....lb	1 00
MARSHMALLOW.....lb	1 00
MORPHIA, 1-24 gr.....lb	1 50
“ ½ gr.....lb	

MORPHIA, 1-36 gr.....lb	\$1 00
MUR. AM. AND LICORICE, 2 grs. each.....lb	60
“ “ CUBEZ.....lb	70
Am., 1 gr.; Cubez, ½ gr.....lb	
MUR. AMMONIA AND CHLO. POTAS., 1 gr. each.....lb	60
NERVINE.....lb	2 00
Valerian, 2 grs.; M., ½ gr.....lb	80
NITRE, 5 grs.....lb	75
PELLITORY ROOT, 1 gr.....lb	60
PAREGORIC.....lb	1 25
PECTORAL, Dr. Jackson's.....lb	45
PEPPERMINT ENG., Standard.....lb	50
“ Mitcham.....lb	80
“ (very small).....lb	90
PEPSIN, 1 gr.....lb	1 25
“ 5 grs.....lb	1 25
“ AND BISMUTH.....lb	
Pepsin, 3 grs.; Bis., 3 grs.....lb	1 25
PEPSIN CHARC., MAG. AND GING.....lb	1 25
P. Ch., 5 grs.; P., 2 grs.; B., 2 grs.....lb	1 25
PEPSIN, BISMUTH AND CHARC.....lb	1 25
Ch., 5 grs.; P., 5 grs.; B., 2 grs.....lb	1 25
PEPSIN, CHARC., SODA AND GING.....lb	1 00
P., 1 gr.; Ch., 5 grs.; S., 3 grs.; G., ½ gr.....lb	
PEPSIN AND IRON.....lb	90
P., 3 grs.; Pyro iron, ½ gr.....lb	
PODOPHYLLIN AND JALAP.....lb	75
P., ¼ gr.; J., 1 gr.....lb	50
POTASSA BROMIDE, 2 grs.....lb	50
POTASSA CHLORATE, 1 gr., sm. round.....lb	50
“ “ WINT., 5 grs.....lb	1 00
PRIMA DONNA VOICE PASTILLES.....lb	1 00
QUININE, ½ gr.....lb	2 00
“ TANNATE WITH CHOC.....lb	
T., 1 gr.; Choc., 8 grs.....lb	4 00
QUININETANNATE WITH CHOC.....lb	
T., 2½ grs.; Choc., 9 grs.....lb	90
RHUBARB, SODA AND GINGER.....lb	1 00
ROSE LEAF, astringent.....lb	1 50
CUBEZ LOZENGES, U. S. P., 1 gr.....lb	60
CREAT.E.....lb	80
FERRI SUB. CARB. LOZ. “ 1 gr.....lb	
GLYCYRRHIZÆ ET OPII, U. S. P., 1-10 gr.....lb	1 25
IPECACUANHÆ, U. S. P., ¼ gr.....lb	1 00
KRAMERIA “ 1 gr.....lb	1 00
MAGNESIÆ “ 4 grs.....lb	1 25
OPIUM, U. S. P., 1-5 gr.....lb	80
SANTONINI, U. S. P., ½ gr.....lb	60
SODA BICARB. “ 4 grs.....lb	70
SALICYLIC ACID LOZENGES, ½ gr.....lb	1 20
“ “ 2½ gr.....lb	70
SANTONINE, 1 gr.....lb	90
“ AND CHOCOLATE, ½ gr.....lb	1 20
“ “ 1 gr.....lb	1 00
“ TASTELESS, ½ gr.....lb	1 00
“ AND CALOMEL.....lb	
S., 1 gr.; Cal., ½ gr.....lb	1 20
SANTONINE AND MAGNESIA.....lb	1 50
S., ½ gr.; M., 4 grs.....lb	1 00
SANTO., CAL AND JALAP, 1 gr. each.....lb	1 00
SANTONINE AND PODOPHYLLIN.....lb	
S., ½ gr.; P., ½ gr.....lb	1 00
SODA AND SULPHO-CARBO., 3 grs.....lb	75
SULPHUR.....lb	
Prep. Sulphur, 5 grs.; Brit. Pot., 1 gr. Garrad's formula.....lb	75
SULPHUR MILK.....lb	
Sale. S., 5 grs.; Brit. Pot., 1 gr.....lb	60
TOLU AND LICORICE.....lb	1 00
TANNIC ACID, U. S. P., 1 gr.....lb	60
ZINGEBERIS “ 2 minims.....lb	

THE ROWORTH MANUFACTURING CO..

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For preparing Lithia Water of definite strength. (Half strength tablets for table use.)

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FRASER'S SOLUBLE TABLET TRITURATES.

These Tablets, including Hypodermics, etc., give to the Physician and Druggist an easy, economical and accurate method of dispensing medicines, in a compact and palatable form.

The extent of our list, which now includes over three thousand different preparations, is too great to permit of its publication entire in the space which Messrs. Truax Greene & Co. are able to assign us. We therefore give a partial list of our Tablet Triturates, soluble; Hypodermic and Compressed Tablets, and beg to call the attention of practitioners to the fact that, in addition to what is quoted, we have a large number of other combinations in these same classes of Tablets, as well as a complete line of Tablets from Official and Mother Tinctures. We also supply Bottles and Boxes for Dispensing Tablets, and have a varied line of Vial Cases for Physicians, all of which are fully illustrated and described in our regular price list, which will be furnished to physicians upon application either to Messrs. Truax, Greene & Co. or ourselves.

CAUTION.

The apparent simplicity of manufacturing Tablet Triturates has led to many imitations of our goods, and we beg to remind practitioners of the possible dangers from using tablets resembling ours, but which, if not prepared with all the painstaking care and skill, or from the same high-class drugs employed by us, are likely to be deficient in the qualities of uniformity and the strict conformity to the formula, which have been recognized characteristics of our goods from the first. In employing the small doses represented by many of the preparations in tablet triturate form, these characteristics are absolutely indispensable to the successful use of the remedies. Respectfully,

THE FRASER TABLET TRITURATE MFG. CO.

PRICE LIST OF FRASER'S TABLET TRITURATES.

The prices in this list are NET to Physicians.

	Per 1000		Per 1000
Acetanilide, 1 gr.	\$ 75	Aloin and Belladonna Comp.	\$ 1 10
Acid Arsenious, 1-1000, 1-500, 1-200, 1-100, 1-60,		Aloin, 1-5 gr.	
1-50, 1-40, 1-30, 1-20, 1-10 grs.	75	Ext. Belladonna, $\frac{1}{2}$ gr.	
Acid Boracic, $\frac{1}{2}$ gr.	75	Strychnia Sulph., 1-60 gr.	
Aconitia, 1-1000 gr.	75	Aloin and Belladonna Comp., No. 2.	1 10
Aconitia, 1-400 gr.	1 00	Aloin, 1-5 gr.	
Aconitia, 1-200 gr.	2 00	Ext. Belladonna, 1-8 gr.	
Aconitia, 1-150 gr.	3 00	Strychnia Sulph., 1-120 gr.	
Aconitia, 1-100 gr.	4 00	Aloin, Bellad. and Nux.	1 50
Aconitia, 1-50 gr.	6 00	Aloin, 1-5 gr.	
Aconite Rad. Pulv., 1-100, 1-10 grs.	75	Ext. Belladonna, $\frac{1}{2}$ gr.	
Aconite Fl. Ext., 1 min.	75	Ext. Nux Vomica, 1-6 gr.	
Aconite and Belladonna.	75	Aloin, Bellad. and Podoph.	1 50
Aconite Powd., 1-100 gr.		Aloin, $\frac{1}{2}$ gr.	
Belladonna Powd., 1-100 gr.		Ext. Belladonna, $\frac{1}{2}$ gr.	
Aconite and Belladonna, No. 3.	95	Podophyllin, $\frac{1}{2}$ gr.	
Tr. Aconite, 1 min.		Aloin, Bellad. and Podoph. Comp.	1 50
Tr. Belladonna, 1 min.		Aloin, 1-10 gr.	
Aconite Comp.	1 25	Ext. Belladonna, 1-10 gr.	
Morphia Sulph., 1-50 gr.		Podophyllin, 1-10 gr.	
Tartar Emetic., 1-100 gr.		Ext. Nux Vomica.	
Ext. Aconite, 1-100 gr.		Aloin, Cascarin Comp. (Dr. Duncan)	1 50
Aconite and Gelsemium.	1 50	Aloin, 1-5 gr.	
Tr. Aconite, 2 min.		Ext. Belladonna, $\frac{1}{2}$ gr.	
Tr. Gelsemium, 1 min.		Cascarin, $\frac{1}{2}$ gr.	
Tr. Belladonna, 2 min.		Strychnia Sulph., 1-60 gr.	
Aconite and Ipecac.	1 10	Aloin, Cascarin Comp., No. 2. (Dr. Duncan).	1 75
Tr. Aconite, $\frac{1}{2}$ min.		Aloin, $\frac{1}{2}$ gr.	
Wine of Ipecac, 1 min.		Podophyllin, $\frac{1}{4}$ gr.	
Aconite and Mercurius.	75	Cascarin, $\frac{1}{4}$ gr.	
Aconite Powd., 1-100 gr.		Ext. Belladonna, $\frac{1}{2}$ gr.	
Merc. Sol. H., 1-100 gr.		Aloin, Hyoscyamus Co. (Dr. Wilkinson) ..	1 50
Aconite and Stibium (Dr. Wood).	75	Aloin, $\frac{1}{4}$ gr.	
Aconite Powd., 1-50 gr.		Ext. Belladonna, $\frac{1}{4}$ gr.	
Tartar Emetic., 1-50 gr.		Ext. Hyoscyamus, $\frac{1}{4}$ gr.	
Aloin, 1-10 gr., 1-5 gr., $\frac{1}{2}$ gr.	75	Aloin, Iron and Strychnia (Dr. Fisk)	1 10
Aloin, $\frac{1}{2}$ gr.	1 10	Aloin, 1-10 gr.	
Aloin Comp., No. 1.	1 10	Iron Powd., 1 gr.	
Aloin, $\frac{1}{2}$ gr.		Strych. Sulph., 1-60 gr.	
Podophyllin, $\frac{1}{2}$ gr.		Aloin, Podoph. and Hyosc. (Dr. Clark)	1 50
Aloin Comp., No. 2.	1 50	Aloin, $\frac{1}{4}$ gr.	
Aloin, $\frac{1}{4}$ gr.		Podophyllin, $\frac{1}{4}$ gr.	
Podophyllin, $\frac{1}{4}$ gr.		Ext. Hyoscyamus, 1-10 gr.	

Please specify **FRASER'S** in ordering or prescribing.



FRASER'S SOLUBLE TABLET TRITURATES.

	Per 1000		Per 1000
Aloin and Strychnia Comp.....	\$1 10	Belladonna Comp.....	\$1 10
Aloin, 1-5 gr.		Corrosive Sub., 1-100 gr.	
Ext. Belladonna, $\frac{1}{8}$ gr.		Tr. Belladonna, 1 min.	
Strychnia Sulph., 1-60 gr.		Ipecac Powd., 1-10 gr.	
Ipecac Powd., 1-16 gr.		Belladonna Extract, 1-100, 1-50, 1-10, $\frac{1}{8}$, 1-5	
Ammonia Muriate, 1, $\frac{1}{2}$, $\frac{1}{4}$, 1-10 grs.....	75	$\frac{1}{4}$ grs.....	75
Ammonia Muriate Comp.....	75	Belladonna Fl. Ext., 1 min.....	1 10
Ammonia Muriate, $\frac{1}{4}$ gr.		Bismuth Comp.....	1 20
Ext. Licorice, 1-10 gr.		Bismuth Subnit., $\frac{1}{2}$ gr.	
Cubebs Powd., $\frac{1}{2}$ gr.		Cerium Oxalate, $\frac{1}{2}$ gr.	
Ammonia Muriate Comp., No. 2.....	75	Bismuth and Calomel Comp.....	1 50
Ammonia Muriate, $\frac{1}{4}$ gr.		Bismuth Subnit., 1 gr.	
Ext. Licorice, 1-10 gr.		Calomel, 1-40 gr.	
Cubebs Powd., $\frac{1}{2}$ gr.		Ipecac Powd., 1-60 gr.	
Ipecac Powd., 1-15 gr.		Bismuth and Ipecac Comp.....	1 50
Ammonia Muriate Comp. with Codeine....	1 15	Bismuth Subnit., 1 gr.	
Ammonia Muriate, $\frac{1}{4}$ gr.		Calomel, 1-10 gr.	
Ext. Licorice, 1-10 gr.		Ipecac Powd., 1-20 gr.	
Cubebs Powd., $\frac{1}{2}$ gr.		Opium Powd., 1-40 gr.	
Codeine, 1-25 gr.		Bismuth and Ipecac Comp., No. 2.....	2 00
Ammonia Muriate and Hyoscyamus Comp.	1 10	Bismuth Subnit., $\frac{1}{2}$ gr.	
Ammonia Muriate, 1 gr.		Cerium Oxalate, $\frac{1}{2}$ gr.	
Tartar Emetic, 1-24 gr.		Ipecac Powd., 1-20 gr.	
Ext. Hyoscyamus, 1-6 gr.			
Ammonia Muriate Comp. with Morphia....	1 10	Blue Mass, $\frac{1}{2}$ gr.....	75
Ammonia Muriate, $\frac{1}{4}$ gr.		Blue Mass, 1 gr.....	1 00
Ext. Licorice, 1-10 gr.		Bromide Comp. (Dr. Hubbard).....	7 50
Cubebs Powd., $\frac{1}{2}$ gr.		Morphia Brom., $\frac{1}{2}$ gr.	
Morphia Sulph., 1-50 gr.		Hyoscin Hydro., 1-100 gr.	
Ammonia Muriate and Tartar Emetic.....	75	Camph. Monobr., 1 gr.	
Ammonia Muriate, $\frac{1}{4}$ gr.		Bromide Comp., No. 2 (Dr. Hubbard).....	4 50
Ext. Licorice, 1-10 gr.		Morphia Brom., 1-16 gr.	
Cubebs Powd., $\frac{1}{2}$ gr.		Hyoscin Hydro., 1-200 gr.	
Tartar Emetic, 1-60 gr.		Camph. Monobr., $\frac{1}{2}$ gr.	
Anæsthetic.....	1 50	Bronchitis (Dr. Delafield).....	1 50
Camphor, $\frac{1}{4}$ gr.		Ext. Belladonna, 1-40 gr.	
Morphia Mur., 1-24 gr.		Dover's Powd., 1-10 gr.	
Oil Cageput, 1-24 gr.		Ipecac Powd., 1-20 gr.	
Anodyne.....	1 10	Quinia Sulph., $\frac{1}{4}$ gr.	
Camphor, $\frac{1}{2}$ gr.		Bronchitis, without Quinine, (Dr. Delafield). ..	1 00
Ext. Hyoscyam., $\frac{1}{2}$ gr.		Ext. Belladonna, 1-40 gr.	
Morphia Sulph., 1-60 gr.		Dover's Powd., 1-10 gr.	
Oil Capsicum, 1-60 gr.		Ipecac Powd., 1-20 gr.	
Antidyspeptic (Dr. Fothergill).....	1 10	Brown Mixture (1 teaspoonful).....	1 10
Strychnia Sulph., 1-120 gr.		Ext. Licorice, 1-10 gr.	
Ipecac Powd., $\frac{1}{2}$ gr.		Camphor, 1-25 gr.	
Black Pepper Powd.		Acid Benzoic, 1-25 gr.	
Oil Gaultheria, 1-10 gr.		Oil Anise, 1-25 gr.	
Antifebrin, 1 gr.....	1 50	Opium Powd., 1-25 gr.	
Arsenic Comp.....	1 50	Tartar Emetic, 1-60 gr.	
Acid Arsenious, 1-30 gr.		Brown Mixture ($\frac{1}{2}$ teaspoonful).....	90
Piperin, 1-5 gr.		Ext. Licorice, 1-10 gr.	
Arsenic Iodide, 1-1000, 1-100, 1-50, 1-25, 1-10 grs.	75	Camphor, 1-50 gr.	
Arsenic and Iron, No. 1.....	75	Acid Benzoic, 1-50 gr.	
Acid Arsenious, 1-30 gr.		Oil Anise, 1-50 gr.	
Iron Powd., 1 gr.		Opium Powd., 1-50 gr.	
Arsenic and Iron, No. 2.....	75	Tartar Emetic, 1-120 gr.	
Acid Arsenious, 1-60 gr.		Brucia Comp. (Dr. Wood).....	75
Iron Powd., 1-5 gr.		Quinia Sulph., $\frac{1}{2}$ gr.	
Arsenic and Iron, No. 3.....	75	Brucia, 1-100 gr.	
Acid Arsenious, 1-100 gr.		Acid Arsenious, 1-100 gr.	
Iron Powd., 1 gr.		Bryonia Alb., 1-100, 1-200 gr.....	75
Arsenic and Iron, No. 4.....	75	Cactus Compound.....	3 00
Acid Arsenious, 1-60 gr.		Cactus Fl. Ext., 1 min.	
Iron Powd., 1 gr.		Tr. Strophanthus, 3 min.	
Arsenic Red Sulph., 1-100, 1-50, 1-40, 1-30 grs....	75	Cactus Fl. Extract, 1 min.....	1 70
Arsenic and Strychnia.....	75	Caffeine, 1-10 gr.....	1 10
Acid Arsenious, 1-100 gr.		Caffeine, $\frac{1}{2}$ gr.....	1 25
Strychnia Sulph., 1-50 gr.		Caffeine, 1 gr.....	2 00
Atropia Comp. (Dr. Gilbert).....	75	Caffeine Citrate, 1-10 gr.....	1 10
Atropia Sulph., 1-400 gr.		Caffeine Citrate, $\frac{1}{2}$ gr.....	1 25
Tartar Emetic, 1-100 gr.		Caffeine Citrate, 1 gr.....	2 00
Atropia Sulphate, 1-1000, 1-500, 1-400, 1-200 grs.	75	Caffeine Comp.....	2 50
Atropia Sulphate, 1-150, 1-120 grs.....	90	Caffeine Citrate, 1 gr.	
Atropia Sulphate, 1-100 gr.....	1 00	Nitroglycerin, 1-200 gr.	
Atropia Sulphate, 1-50 gr.....	1 50	Calcium Sulphide, 1-100, 1-50, 1-10, 1-5, $\frac{1}{4}$, $\frac{1}{2}$ grs.....	75
		Calcium Sulphide, 1 gr.....	1 10

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FRASER'S SOLUBLE TABLET TRITURATES.

	Per 1000		Per 1000
Calomel, 1-1000, 1-500, 1-200, 1-100, 1-50, 1-20, 1-12, 1-10, $\frac{1}{8}$, 1-6, 1-5, $\frac{1}{4}$ grs....	\$ 75	Cannabis and Codeine	\$1 35
Calomel, $\frac{1}{2}$ gr.	90	Tr. Cann. Ind., 1 min.	
Calomel, 1 gr.	1 00	Codeine, 1-25 gr.	
Calomel, 2 grs.	1 30	Capsicum, 1-100, 1-50, 1-20, 1-10, $\frac{1}{4}$, $\frac{1}{2}$ grs....	75
Cal., Aloin and Podoph. (Dr. Underwood)..	1 10	Capsicum Comp. (Dr. Lindsley)	75
Calomel, 1-10 gr.		Capsicum, 1-10 gr.	
Aloin, 1-10 gr.		Nux Vomica, $\frac{1}{4}$ gr.	
Podophyllin, 1-10 gr.		Carbo Veg. (Fraser)	75
Calomel and Codeine	3 75	Carbo Veg.	
Calomel, 1-10 gr.		Saccharine.	
Codeine, $\frac{1}{2}$ gr.		Carbo Veg., 1-100, 1-10, $\frac{1}{2}$ grs....	75
Calomel Comp., (Dr. Spencer)	1 10	Carbolic Acid, 1-10 gr.	75
Calomel, 1-50 gr.		Cardiac (Dr. Waldstein)	3 40
Morphia Sulph., 1-100 gr.		Sparteine Sulph., 1-10 gr.	
Tartar Emetic., 1-100 gr.		Tr. Strophantus, 3 min.	
Calomel Comp., No. 2	75	Caffeine Cit., $\frac{1}{2}$ gr.	
Calomel, $\frac{1}{4}$ gr.		Codeine, 1-20 gr.	
Podophyllin, 1-12 gr.		Cardian (Dr. Pallen)	3 75
Sodium Bicarb., $\frac{1}{2}$ gr.		Digitaria (Merck's), 1-120 gr.	
Calomel Comp., No. 3	75	Tr. Strophantus, 2 min.	
Calomel, 1-10 gr.		Tr. Cactus, 1 min.	
Sodium Bicarb., 1 gr.		Sparteine Sulph., 1-20 gr.	
Calomel Comp., No. 4	1 10	Cascarin Comp.	1 50
Calomel, 1 gr.		Aloin, $\frac{1}{4}$ gr.	
Sodium Bicarb., 1 gr.		Podophyllin, $\frac{1}{4}$ gr.	
Calomel Comp., No. 5	1 00	Cascarin, $\frac{1}{4}$ gr.	
Calomel, $\frac{1}{2}$ gr.		Cathartic, No. 1	1 10
Podophyllin, 1-12 gr.		Leptandrin, 1-32 gr.	
Sodium Bicarb., $\frac{1}{2}$ gr.		Aloin, 1-16 gr.	
Calomel and Ipecac	75	Podophyllin, 1-6 gr.	
Calomel, $\frac{1}{4}$ gr.		Gamboge, 1-64 gr.	
Ipecac Powd., $\frac{1}{4}$ gr.		Ext. Hyoscyam., 1-16 gr.	
Calomel and Ipecac, No. 2	75	Oil. Res. Caps., 1-128 gr.	
Calomel, $\frac{1}{2}$ gr.		Oil Peppermint, 1-128 gr.	
Ipecac Powd., $\frac{1}{2}$ gr.		Cathartic, No. 2	1 30
Calomel and Ipecac, No. 3 (Dr. Nickerson). 1 10		Aloin, 1-10 gr.	
Calomel, 1-6 gr.		Ext. Colocy. Co., 1-10 gr.	
Ipecac Powd., 1-6 gr.		Ext. Nux Vomica, 1-10 gr.	
Opium Powd., 1-6 gr.		Podophyllin., 1-10 gr.	
Calomel, Ipecac and Soda	75	Croton Oil, 1-30 gr.	
Calomel, 1-5 gr.		Oil. Res. Caps., 1-256 gr.	
Ipecac Powd., 1-10 gr.		Oil Peppermint., 1-128 gr.	
Sodium Bicarb., 1 gr.		Cerium Oxalate, 1 gr.	1 10
Calomel, Ipecac and Soda, No. 2	75	Cerium Oxalate, 1-10 gr.	75
Calomel, $\frac{1}{2}$ gr.		Cerium Oxalate Comp. (Dr. Guernsey)	1 15
Ipecac Powd., $\frac{1}{2}$ gr.		Cerium Oxalate, 1 gr.	
Sodium Bicarb., 1 gr.		Ipecac Powd., 1-20 gr.	1 00
Calomel and Morphia Comp	3 50	Cocaine Hydrochlor, 1-100 gr.	1 35
Calomel, $\frac{1}{2}$ gr.		Cocaine Hydrochlor, 1-50 gr.	1 35
Morphia Sulph., $\frac{1}{4}$ gr.		Cocaine Hydrochlor, 1-20 gr.	1 90
Tartar Emetic, 1-16 gr.		Cocaine Hydrochlor, 1-10 gr.	3 75
Calomel and Opium, No. 1 (Dr. McEwan)..	90	Cocaine Hydrochlor, $\frac{1}{4}$ gr.	8 50
Calomel, $\frac{1}{4}$ gr.		Cocaine Comp. (Dr. F. A. Burrall)	1 40
Opium Powd., $\frac{1}{4}$ gr.		Potass Chlorate, 1 gr.	
Calomel and Opium, No. 2 (Dr. McEwan)..	75	Cocaine Mur., 1-100 gr.	
Calomel, $\frac{1}{2}$ gr.		Codeine, 1-10 gr.	3 00
Opium Powd., $\frac{1}{2}$ gr.		Codeine, 1-5 gr.	4 50
Calomel and Opium Comp., No. 1	1 00	Codeine, $\frac{1}{4}$ gr.	5 25
Calomel, $\frac{1}{2}$ gr.		Codeine, $\frac{1}{2}$ gr.	10 50
Opium Powd., $\frac{1}{2}$ gr.		Codeine Phosphate, $\frac{1}{4}$ gr.	6 00
Ipecac Powd., $\frac{1}{4}$ gr.		Codeine Phosphate, $\frac{1}{2}$ gr.	11 25
Calomel and Opium Comp., No. 2	75	Codeine Sulphate, 1-5 gr.	4 50
Calomel, $\frac{1}{4}$ gr.		Codeine Sulphate, $\frac{1}{4}$ gr.	5 25
Opium Powd., 1-16 gr.		Codeine Sulphate, $\frac{1}{2}$ gr.	10 50
Ipecac Powd., $\frac{1}{2}$ gr.		Colchicin, 1-100 gr.	1 20
Calomel and Podophyllin	75	Colchicin, 1-50 gr.	1 70
Calomel, $\frac{1}{2}$ gr.		Cold, No. 1	1 35
Podophyllin, $\frac{1}{2}$ gr.		Morphia Sulph., 1-32 gr.	
Calomel, Podophyllin and Ipecac (Dr. Ken- yon)	75	Tartar Emetic, 1-32 gr.	
Calomel, 1-10 gr.		Ext. Licorice, 1-10 gr.	
Podophyllin, 1-30 gr.		Oil Gaultheria, q. s.	
Ipecac Powd., $\frac{1}{2}$ gr.		Cold, No. 2, (Dr. Satterlee)	1 10
Cannabis Ind. Ext., 1-10 gr.	1 10	Antim. Sul. aur., 1-12 gr.	
Cannabis Ind. Ext., 1-20 gr.	75	Ext. Conium, 1-12 gr.	
		Ipecac Powd., 1-6 gr.	
		Potass. Nitrate, 1 6 gr.	
		Ammon. Mur., 1-6 gr.	

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FRASER'S SOLUBLE TABLET TRITURATES.

	Per 1000		Per 1000
Cold, No. 4, (Dr. Coit).....	\$0 75	Digitalis and Iron Comp.....	\$1 10
Aconite, 1-10 gr.		Ext. Digitalis 1-10 gr.	
Camphor, 1-10 gr.		Iron Phosphate, $\frac{1}{4}$ gr.	
Opium Powd., 1-10 gr.		Strychnia Sulph., 1-60 gr.	
Potass. Nitrate, 1-10 gr.		Diuretic No. 2, (Dr. Waldstein.).....	1 35
Conium Comp.....	75	Caffeine, $\frac{1}{4}$ gr.	
Ext. Conium, 1-30 gr.		Potass. Nitrate, $\frac{1}{2}$ gr.	
Cubebs Powd., 1-10 gr.		Lithium Carb., $\frac{1}{4}$ gr.	
Ext. Licorice, 1-10 gr.		Dover's Comp., (Dr. Terriber.).....	1 50
Conium Comp. with Codeine.....	1 15	Quinia Sulph., $\frac{1}{2}$ gr.	
Ext. Conium, 1-30 gr.		Dover's Powd., $\frac{1}{2}$ gr.	
Cubebs Powd., 1-10 gr.		Dover's Comp. No. 2.....	1 35
Ext. Licorice, 1-10 gr.		Dover's Tablets, $2\frac{1}{2}$ gr.	
Codeine, 1-25 gr.		Calomel, $\frac{1}{4}$ gr.	
Copper Arsenite, 1-5000, 1-1000, 1-500, 1-100,		Dover's Comp. No. 3.....	1 25
1-50 gr.....	75	Dover's Powd., 1 gr.	
Corrosive Sublimate, 1-10,000, 1-5000, 1-1000,		Calomel, $\frac{1}{2}$ gr.	
1-500, 1-200, 1-100, 1-60, 1-50, 1-40, 1-32, 1-30,		Dover's Powder, 1-10, 1-5, $\frac{1}{4}$, $\frac{1}{2}$, 1 gr.....	75
1-20, 1-16, 1-12, 1-10, 1-8 gr.....	75	Dover's Tablets, $2\frac{1}{2}$ gr.....	1 10
Corrosive Sublimate, 1-4, 1-2 gr.....	90	Opium Powd., $\frac{1}{4}$ gr.	
Corrosive Sublimate, 1 gr.....	1 10	Ipecac Powd., $\frac{1}{4}$ gr.	
Corrosive Sublimate, (colored blue), 1 gr.....	1 10	Dover's Tablets, $1\frac{1}{4}$ gr.....	75
Corrosive Sublim. Comp., (Dr. Cushman)...	75	Opium Powd., $\frac{1}{2}$ gr.	
Corrosive Sub., 1-32 gr.		Ipecac Powd., $\frac{1}{2}$ gr.	
Ipecac Powd., 1-8 gr.		Dyspeptic, (Dr. E. Haworth.).....	1 10
Corrosive Sub. and Citric Acid, Antiseptic, 1 25		Strychnia Sulph., 1-40 gr	
Corrosive Sublimate, 1 3-4 gr.		Ipecac Powd., $\frac{1}{2}$ gr.	
Citric Acid, 87-100 gr.		Rhubarb Powd., $\frac{1}{4}$ gr.	
One of these tablets dissolved in four		Capsicum Powd., $\frac{1}{2}$ gr.	
ounces of water makes a solution, the		Elaterin Crystal, 1-10 gr.....	10 00
Corrosive Sublimate strength of which		Elaterium, (Clutterbuck's) 1-10 gr.....	2 65
is 1 to 1,000.		Ergotin, 1-50, 1-20, 1-10 gr.....	75
[NOTE.—The properties of the Citric Acid		Ergotin, 1-6 gr.....	95
in this combination are to retain in		Ergotin, $\frac{1}{4}$ gr.....	1 15
solution the mercury albuminate		Euonymin Comp., (Dr. Welch).....	1 70
formed, to prolong the antiseptic		Euonymin, $\frac{1}{4}$ gr.	
action.]		Podophyllin, $\frac{1}{2}$ gr.	
Cough Mixture, (Dr. Satterlee.).....	1 10	Aloin, $\frac{1}{2}$ gr.	
Ammon. Mur., 1-4 gr.		Expectorant, (Dr. Rankin).....	2 25
Paregoric, 5 min.		Bellad. Fl. Ext., $\frac{1}{2}$ min.	
Corrosive Sub., 1-96 gr		Ipecac Powd., 1-10 gr.	
Diaphoretic.....	1 00	Ext. Licorice, $\frac{1}{2}$ gr.	
Morphia Sulph., 1-32 gr.		Codeine, 1-16 gr.	
Strych. Sulph., 1-95 gr.		Ext. Senega, 1-10 gr.	
Atropia Sulph., 1-150 gr.		Fever, (Dr. Kenyon).....	1 50
Acid Arsenious, 1-100 gr.		Tr. Aconite, 1 min.	
Aconitia, 1-1000 gr.		Morphia Sulph., 1-20 gr.	
Diaphoretic No. 2.....	1 00	Tartar Emetic, 1-50 gr.	
Morphia Sulph., 1-24 gr.		Ipecac Powd., $\frac{1}{2}$ gr.	
Tr. Aconite, 1-2 gr.		Gelsemin, 1-16 gr.....	1 25
Tartar Emetic, 1-60 gr.		Gelsemin, 1-10 gr.....	1 60
Ipecac Powd., 1-8 gr.		Gelsemin, $\frac{1}{2}$ gr.....	2 00
Diarrhœa.....	1 15	Gelsemin, $\frac{1}{4}$ gr.....	2 50
Calomel, 1-8 gr.		Gelsemium Fl. Ext., 1 min.....	1 10
Morphia Sulph., 1-16 gr.		Gold and Sodium Chloride, 1-30 gr.....	1 30
Capsicum Powd., 1-16 gr.		Gold and Sodium Chloride, 1-20 gr.....	1 70
Ipecac Powd., 1-32 gr.		Gold and Sodium Chloride, 1-10 gr.....	3 60
Camphor, 1-16 gr.		Haematic, (Dr. Clymer).....	75
Diarrhœa No. 3, (Dr. Sullivan.).....	1 15	Acid Arsen., 1-120 gr.	
Opium Powd., 1-4 gr.		Iron Powd., 1-10 gr.	
Camphor, 1-4 gr.		Merc. Sub. Cor., 1-200 gr.	
Ipecac Powd., 1-8 gr.		Nux. Vomica. Po., 1-20 gr.	
Lead Acetate, 1-6 gr.		Headache, (Dr. Chamberlain).....	1 15
Digitalia (Merk's), 1-500 gr.....	75	Acetanilide, 1 gr.	
Digitalia, (Merk's) 1-400 gr.....	1 00	Ext. Belladonna, $\frac{1}{4}$ gr.	
Digitalia, (Merk's) 1-300 gr.....	1 10	Ext. Gelsemium, $\frac{1}{4}$ gr.	
Digitalia, (Merk's) 1-200 gr.....	1 30	Heart Stimulant, (Prof. DaCosta.).....	1 80
Digitalia, (Merk's) 1-150 gr.....	1 70	Tr. Digitalis, 2 min.	
Digitalia (Merk's), 1-100 gr.....	2 25	Tr. Strophanthus, 2 min.	
Digitalia, (Merk's) 1-60 gr.....	2 75	Tr. Belladonna, $\frac{1}{4}$ min.	
Digitalia, (Merk's) 1-50 gr.....	3 00	Nitroglycerin, 1-100 gr.	
Digitalis Powd., 1-20, 1-10, 1-5, 1-4, 1-2 gr.....	75	Heart Stimulant No. 2.....	1 80
Digitalis Comp., (Dr. Wood.).....	1 00	Tr. Digitalis, 2 min.	
Tr. Digitalis, 2 min.		Tr. Strophanthus, 2 min.	
Brucia, 1-100 gr.		Tr. Belladonna, $\frac{1}{4}$ min.	
Digitalia Comp. No. 2, (Dr. Wood.).....	1 00	Nitroglycerin, 1-200 gr.	
Tr. Digitalis, 2 min.		Helleborein, 1-50 gr.....	2 60
Strychnia Sulph., 1-100 gr.		Helonin, 1-10 gr.....	1 30

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FRASER'S SOLUBLE TABLET TRITURATES.

	Per 1000		Per 100
Hepatic, (Dr. Kenyon.)	1 15	Iron, Arsenic and Strychnia No. 3	75
Euonymin, $\frac{1}{8}$ gr.		Iron Powder, 1 gr., Acid Arsen., 1-50 gr.	
Podophyllin, 1-20 gr.		Strychnia Sulph., 1-100 gr.	
Ipecac Powd., $\frac{1}{8}$ gr.		Iron, Arsenic and Strychnia No. 5	75
Calomel, $\frac{1}{8}$ gr.		Iron Powder, 1 gr., Strychnia Sulph., 1-30 gr., Acid Arsenious, 1-20 gr.	
Aloin, 1-12 gr.		Iron Lactate, $\frac{1}{2}$ gr.	75
Hydrarg. and Ipecac Comp.	1 50	Iron Lactate, 1 gr.	1 10
Mass Hydrarg., 1 gr.		Iron Mercury Comp.	75
Ipecac Powd., $\frac{1}{8}$ gr.		Iron Powd., 1 gr., Corrosive Sub., 1-60 gr.	
Opium Powd., $\frac{1}{4}$ gr.		Strychnia Sulph., 1-60 gr., Acid Arsenious, 1-60 gr.	
Hydrarg. and Podophyllin	1 10	Iron, Mercury Comp. No. 2	75
Mass Hydrarg., 1 gr.		Iron Powd., 1 gr., Corrosive Sub., 1-50 gr., Acid Arsenious, 1-100 gr.	
Podophyllin, $\frac{1}{4}$ gr.		Iron, Mercury Co. No. 3	75
Hydrastia, (White Alkaloid) 1-20 gr.	1 50	Iron Powder, 1 gr., Strychnia Sulph., 1-60 gr., Corrosive Sub., 1-60 gr.	
Hydrastin, 1-100 gr.	75	Iron Phosphorus Comp.	1 10
Hydrastin, 1-20 gr.	1 50	Iron Po., 1 gr., Acid Arsenious, 1-40 gr., Strychnia Sulph., 1-60 gr., Phos., 1-100 gr.	
Hydrastin Mur., 1-100 gr.	75	Iron Powder, 1-1000, 1-500, 1-200, 1-100, 1-50, 1-10	
Hyoscin Hydrobrom, 1-200 gr.	3 40	1-5, $\frac{1}{2}$, 1 gr.	75
Hyoscin Hydrobrom, 1-100 gr.	6 00	Iron Powder, 2 gr.	1-10
Hyoscin Hydrobrom, 1-50 gr.	11 00	Iron, Quinia and Strychnia	1-50
Hyoscyamia, (White Cryst.) 1-500 gr.	1 50	Iron Powd., $\frac{1}{2}$ gr., Quinia Sulph., $\frac{1}{2}$ gr., Strychnia Sulph., 1-120 gr.	
Hyoscyamia, (White Cryst.) 1-400 gr.	1 85	Iron and Strychnia	75
Hyoscyamia, (White Cryst.) 1-300 gr.	2 60	Iron Po., 1 gr., Strychnia Sulph., 1-60 gr.	
Hyoscyamia, (White Cryst.) 1-200 gr.	3 40	Iron and Strychnia Comp. (Dr. Morrill)	1 50
Hyoscyamia, (White Cryst.) 1-100 gr.	6 00	Iron Powder, $\frac{1}{2}$ gr., Quinia Sulph., $\frac{1}{2}$ gr., Acid Arsen., 1-100 gr., Strych. Sul., 1-120 gr.	
Hyoscyamia, (White Cryst.) 1-50 gr.	11 00	Iron and Strychnia Cit., $\frac{1}{4}$ gr.	90
Hyoscyamus Cough	2 25	Iron and Strychnia Cit., 1 gr.	1 15
Codeine, 1-16 gr.		Laxative Carminative	1 50
Ext. Hyoscyam., $\frac{1}{8}$ gr.		Ext. Cascara Sag., $\frac{1}{2}$ gr., Aloin, $\frac{1}{2}$ gr., Podop., 1-10 gr., Oil Peppermint, 1-10 gr.	
Hyoscyamus Ext., $\frac{1}{4}$ gr.	75	Manganese Binoxide, 1-10, 1 gr.	75
Hyoscyamus Ext., $\frac{1}{2}$ gr.	1 15	Mercurial Tonic	1 10
Ignatia Powd. (Dr. Gilbert) 1-100, 1-20, 1-10 gr	75	Mercury Protiod., $\frac{1}{8}$ gr.	
Indigestion Powd. No. 1	75	Iron Citrate, $\frac{1}{2}$ gr.	
Pepsin Sacch., 1-40 gr.		Mercurius Comp.	75
Carbo Veg., 1-400 gr.		Merc. Iod. Red., 1-100 gr., Belladonna Po., 1-100 gr., Kali Bichrom. 1-100 gr.	
Bismuth Subnit., 1-40 gr.		Mercury, Belladonna Co.	75
Indigestion Powd. No. 2	75	Merc. Iod. Red., 1-200 gr., Ipecac Powd., 1-20 gr., Belladonna Po., 1-100 gr.	
Carbo Veg. 1-400 gr.		Mercury and Charcoal, (Dr. Tilley)	75
Rheum, 1-40 gr.		Mercury Protiod., $\frac{1}{4}$ gr.	
Bismuth Subnit., 1-40 gr.		Carbo Veg., 1-10 gr.	
Pepsin, 1-40 gr.		Mercury and Charcoal No. 2	75
Ipecac Powd., 1-1000, 1-200, 1-100, 1-50, 1-10 gr.	75	Mercury Protiod., 1-6 gr.	
Ipecac Powd., $\frac{1}{4}$ gr.	90	Carbo Veg., 1-10 gr.	
Ipecac $\frac{1}{2}$ gr.	1 15	Mercury and Hyoscyamus	1 10
Ipecac Fl. Ext., 1 min.	1 50	Mercury Protiod., $\frac{1}{4}$ gr.	
Iron and Aloes Comp.	1 10	Ext. Hyoscyam., $\frac{1}{4}$ gr.	
Strychnia Sulph., 1-60 gr.		Mercury Iodide Comp. (Dr. Curtis)	75
Acid Arsenious, 1-30 gr.		Merc. Iod. Red., 1-32 gr.	
Ext. Aloes, 1-12 gr.		Ipecac Powd., $\frac{1}{8}$ gr.	
Iron Powd., 1 gr.		Mercury Iodide Co. No. 2, (Dr. Curtis)	75
Iron Arseniate, 1-25, 1-16, 1-10 gr.	75	Merc. Iod. Red., 1-16 gr., Ipecac Po., $\frac{1}{8}$ gr.	
Iron, Arsenic and Brucia, (Dr. Clymer)	75	Mercury Iodide, Red, 1-1000, 1-500, 1-200, 1-100, 1-50, 1-25, 1-16, 1-12, 1-10, $\frac{1}{2}$ gr.	75
Iron Powder, 1-10 gr.		Mercury Iodide, Red, $\frac{1}{4}$ gr.	90
Acid Arsen., 1-100 gr.		Mercury and Ipecac	1 10
Brucia, 1-100 gr.		Mercury Protiod., $\frac{1}{2}$ gr., Ipecac Po., $\frac{1}{8}$ gr.	
Iron, Arsenic and Brucia No. 2	75	Mercury, Ipecac Comp.	1 50
Iron Powder, 1-10 gr.		Mass. Hydrarg., $\frac{1}{2}$ gr., Ext. Hyoscyam., $\frac{1}{2}$ gr., Ipecac Powd., $\frac{1}{4}$ gr.	
Acid Arsen., 1-100 gr.		Mercury and Iron	1 10
Brucia, 1-33 gr.		Mercury Protiod., $\frac{1}{4}$ gr., Iron Po., 1 gr.	
Iron, Arsenic and Brucia No. 3	75	Mercury and Opium	95
Iron Powder, 1 gr., Acid Arsen., 1-100 gr.		Merc. Protiod., 1-5 gr., Opium Po., 1-12 gr.	
Brucia, 1-100 gr.		Mercury Protiodide, 1-1000, 1-500, 1-200, 1-100, 1-50, 1-25, 1-10, $\frac{1}{2}$, 1-6, 1-5, 1-4 gr.	75
Iron and Arsenic Comp. (Dr. Clymer)	75	Mercury Protiodide, $\frac{1}{2}$ gr.	95
Iron Powd., 1 gr., Acid Arsenious, 1-100 gr.		Mercury Protiodide, $\frac{1}{2}$ gr.	1 20
Ignatia Powd., 1-40 gr.			
Iron and Arsenic Comp. No. 2, (Dr. Clymer)	75		
Iron Powd., 1 gr., Acid Arsenious, 1-50 gr., Ignatia Powder, 1-40 gr.			
Iron, Arsenic and Nux.	75		
Iron Powd., 1 gr., Acid Arsen., 1-100 gr., Ext. Nux Vomica, $\frac{1}{8}$ gr.			
Iron, Arsenic and Strychnia	75		
Iron Powder, 1 gr., Acid Arsen., 1-100 gr.			
Strychnia Sulph., 1-60 gr.			
Iron, Arsenic and Strychnia No. 2	75		
Iron Powder, 1 gr., Acid Arsen., 1-50 gr.			
Strychnia Sulph., 1-60 gr.			

Please specify FRASER'S in ordering or prescribing.



FRASER'S SOLUBLE TABLET TRITURATES.

	Per 1000		Per 1000
Mercury Protiodide, 1 gr.	\$1 85	Nux Vomica Comp. No. 3	\$ 75
Mercury Salicylate, $\frac{1}{4}$ gr.	1 50	Ext. Nux Vom., 1-20 gr., Sulphur, 1-20 gr.,	
Mercury Salicylate, $\frac{1}{2}$ gr.	1 85	Acid Arsenious, 1-100 gr.	
Mercury with Chalk, 1-100, 1-20, 1-10, $\frac{1}{2}$, $\frac{1}{4}$,		Nux and Arsenic	75
1 gr.	75	Nux Vomica Po., 1-10 gr.	
Mercury Yellow Oxide, 1-1000, 1-200, 1-100 gr.	75	Acid Arsenious., 1-50 gr.	
Morphia and Aconite	1 10	Nux and Bryonia	75
Morphia Sulph., 1-32 gr.		Nux Vomica Po., 1-100 gr.	
Ext. Aconite, 1-100 gr.		Bryonia Powd., 1-100 gr.	
Morphia and Aconite No. 2	2 00	Nux and Bryonia, No. 2	1 10
Morphia Sulph., $\frac{1}{2}$ gr.		Tr. Nux Vomica., 1 min.	
Ext. Aconite, 1-25 gr.		Tr. Bryonia, 1 min.	
Morphia and Belladonna	2 40	Nux Cantharides	75
Morphia Sulph., 1-6 gr.		Nux Vomica Po., 1-100 gr.	
Ext. Belladonna, $\frac{1}{2}$ gr.		Cantharides, 1-100 gr.	
Morphia Comp. No. 1	2 00	Nux and Carbo Veg.	75
Morphia Sulph., $\frac{1}{2}$ gr.		Nux Vomica Po., 1-100 gr., Carbo Veg.,	
Atropia Sulph., 1-150 gr.		1-10 gr.	
Morphia Comp. No. 2	3 35	Nux and Carbo Veg., No. 2	75
Morphia Sulph., $\frac{1}{4}$ gr.		Nux Vom. Po., $\frac{1}{2}$ gr., Carb. Veg., $\frac{1}{4}$ gr.	
Atropia Sulph., 1-120 gr.		Nux and Pepsin (Dr. Skiff)	75
Morphia Comp. No. 3	2 00	Nux Vomica Po., 1-100 gr., Pepsin Pure,	
Morphia Sulph., $\frac{1}{2}$ gr.		1-10 gr.	
Atropia Sulph., 1-200 gr.		Nux and Pepsin Comp.	1 85
Morphia Comp. No. 4	3 35	Nux Vomica Po., 1-100 gr., Pepsin Pure,	
Morphia Sulph., $\frac{1}{4}$ gr.		$\frac{1}{4}$ gr., Bismuth Sub., 1 gr., Calomel, $\frac{1}{4}$ gr.	
Atropia Sulph., 1-150 gr.		Nux and Sulphur	75
Morphia Sulphate, 1-100 gr.	75	Nux Vomica Po., 1-100 gr.	
Morphia Sulphate, 1-50 gr.	95	Sulphur, 1-100 gr.	
Morphia Sulphate, 1-20 gr.	1 00	Nux and Sulph Comp	75
Morphia Sulphate, 1-16 gr.	1 30	Nux Vomica Po., 1-20 gr., Sulphur, 1-10 gr.	
Morphia Sulphate, 1-10 gr.	1 50	Acid Arsenious, 1-100 gr.	
Morphia Sulphate, $\frac{1}{2}$ gr.	1 85	Opium Powd., 1-100, 1-50, 1-20, 1-10, $\frac{1}{4}$ grs ...	75
Morphia Sulphate, 1-6 gr.	2 25	Opium Powd., $\frac{1}{2}$ gr.	1 25
Morphia Sulphate, $\frac{1}{4}$ gr.	3 20	Opium Aromatic, No. 1	1 10
Morphia Sulphate, $\frac{1}{2}$ gr.	3 75	Pulv. Cret. Aromat. Cum. Opio., 1 gr.	
Morphia Sulphate, $\frac{1}{2}$ gr.	5 60	Opium Aromatic, No. 2 (Dr. Davis)	1 30
Muscari Sulph., 1-100 gr.	7 50	Opium Powd., 1-20 gr., Acid Tannic, 1-20 gr.	
Nerve Tonic No. 1, (Dr. Westbrook.)	1 50	Pulv. Cret. Aromat. Cum. Opio., 1 gr.	
Zinc Phosphide, 1-10 gr., Ext. Nux Vom.,		Opium and Camphor	1 10
$\frac{1}{4}$ gr., Iron Powder, 1 gr.		Opium Powd., $\frac{1}{4}$ gr., Camphor, $\frac{1}{4}$ gr.	
Nerve Tonic No. 2, (Dr. Westbrook.)	1 30	Opium Denarcotized, $\frac{1}{4}$ gr.	1 15
Zinc Phosphide, 1-10 gr., Ext. Nux Vom.,		Opium and Lead	75
$\frac{1}{4}$ gr., Acid Arsenious, 1-20 gr.		Opium Powd., 1-16 gr., Lead Acetate, $\frac{1}{2}$ gr.	
Nerve Tonic No. 5	1 30	Opium and Lead, No. 2	75
Zinc Phosphide, $\frac{1}{2}$ gr., Ext. Nux Vomica,		Opium Powd., $\frac{1}{2}$ gr., Lead Acetate, $\frac{1}{4}$ gr.	
$\frac{1}{2}$ gr., Ext. Can. Indica., $\frac{1}{4}$ gr.		Paregoric, 5 Drops	90
Nerve Tonic No. 6	2 25	Opium Powd., 1-50 gr., Camphor, 1-50 gr.	
Ext. Cannab. Ind., $\frac{1}{2}$ gr., Hyoscyamia,		Acid Benzoic, 1-50 gr., Oil Anise, 1-50 gr.	
1-400 gr., Zinc Phosphide, 1-10 gr.		Paregoric, 10 Drops	1 10
Neuralgie, (Dr. Dunlap.)	1 70	Opium Powd., 1-25 gr., Camphor, 1-25 gr.	
Quinia Sulph., $\frac{1}{2}$ gr., Morphia Sulph.,		Acid Benzoic, 1-25 gr., Oil Anise, 1-25 gr.	
1-80 gr., Strychnia Sulph., 1-120 gr., Acid		Pepsin (pure), 1-20, 1-10 grs.	75
Arsenious, 1-80 gr., Ext. Aconite, $\frac{1}{2}$ gr.		Pepsin (pure), $\frac{1}{4}$ gr.	1 00
Neuralgie No. 2, (Dr. Kenyon.)	2 00	Pepsin Comp. (Dr. Still)	1 25
Zinc Phosphide, 1-16 gr., Strychnia Sul.,		Pepsin Powd., $\frac{1}{4}$ gr., Ext. Nux Vom., 1-3	
1-60 gr., Ext. Can. Indica., $\frac{1}{2}$ gr., Sodium		gr., Ipecac Powd., 1-16 gr.	
Arseniat., 1-20 gr., Aconitia, 1-400 gr.		Pepsin and Bismuth	1 85
Nitroglycerin, 1-200, 1-150, 1-100, 1-50 gr.	75	Pepsin Pure, $\frac{1}{4}$ gr., Bismuth Subnit., 1 gr.	
Nitroglycerin Co. No. 1	1 25	Pepsin and Calomel	2 25
Nitroglycerin, 1-100 gr.		Pepsin Pure, $\frac{1}{2}$ gr., Bismuth Subnit.,	
Tr. Digitalis, 2 min.		1 gr., Nux Vomica, 1-100 gr., Calomel,	
Nitroglycerin Co. No. 2	1 50	1-40 gr.	
Nitroglycerin, 1-100 gr.		Pepsin and Charcoal	1 50
Tr. Strophanthus, 2 min.		Pepsin Pure, $\frac{1}{4}$ gr., Carbo. Veg., $\frac{1}{4}$ gr.	
Nux Vomica Powd., 1-1000, 1-500, 1-200, 1-100,		Pepsin and Pancreatin	3 00
1-50, 1-10, $\frac{1}{2}$, $\frac{1}{4}$ gr.	75	Pepsin Pure, $\frac{1}{4}$ gr., Pancreatin, $\frac{1}{4}$ gr.	
Nux Vomica Powd., $\frac{1}{2}$ gr.	95	Pepsin Saccharated, 1 gr.	1 10
Nux Vomica Ext., 1-100, 1-50, 1-10, $\frac{1}{2}$, $\frac{1}{4}$ gr.	75	Pilocarpine Mur., 1-100 gr.	1 25
Nux Vomica Comp	1 50	Pilocarpine Mur., 1-50 gr.	1 75
Ext. Nux Vom., 1-64 gr., Ext. Belladonna,		Pilocarpine Mur., 1-20 gr.	3 00
1-32 gr., Ipecac Powd., 1-16 gr., Aloin, $\frac{1}{2}$ gr.		Pilocarpine Mur., 1-10 gr.	5 00
Podophyllin, $\frac{1}{2}$ gr.		Podophyllin, 1-100, 1-40, 1-20, 1-10, $\frac{1}{2}$, $\frac{1}{4}$ gr.	75
Nux Vomica Comp. No. 2	75	Podophyllin Comp.	1 50
Ext. Nux Vom., 1-16 gr., Acid Arsenious,		Podophyllin, $\frac{1}{2}$ gr., Ext. Nux Vom.,	
1-80 gr., Pepsin, (pure) 1-32 gr., Aromat-		1-16 gr., Ext. Hyoscyam, $\frac{1}{2}$ gr.	
ies, q. s.			

Please specify FRASER'S in ordering or prescribing.



FRASER'S SOLUBLE TABLET TRITURATES.

	Per 1000		Per 1000
Podophyllin and Leptandrin.....	\$1 50	Sodium Salicylate, $\frac{1}{2}$ gr.....	\$1 10
Podophyllin, $\frac{1}{4}$ gr., Leptandrin, $\frac{1}{2}$ gr.		Sodium Salicylate, 1 gr.....	1 50
Potass. Arsenitis, 1-5000, 1-1000, 1-500, 1-100, 1-50		Sodium Salicylate, (with Oil Wintergreen)	
1-40, 1-30, 1-20 gr.....	75	1 gr.....	1 50
[1-100 gr. represents 1 drop of Fowler's Solution.]		Stibum, Opium and Camphor, (Dr. Fowler.)	75
Potass. Chlorate, $\frac{1}{2}$, 1 gr.....	75	Tartar Emetic, 1-100 gr., Opium Powd.,	
Potass. Chlorate Comp. (Dr. McEwan.)	75	1-20 gr., Camphor, 1-10 gr.	
Potass. Chlorate, 1 gr., Ipecac Powd.,		Stomachic, (Dr. North.).....	1 70
1-20 gr.		Pepsin, Pure, $\frac{1}{4}$ gr., Ext. Nux Vomica,	
Quinia Arseniate, 1-50, 1-64 gr.....	90	$\frac{1}{4}$ gr., Carbo Veg., $\frac{1}{4}$ gr., Capsicum	
Quinia, Arsenic and Strychnia.....	2 25	Powd., $\frac{1}{4}$ gr.	
Quinia Sulph., 1 gr., Acid Arsenious,		Strophanthus Comp.....	1 80
1-50 gr., Strychnia Sulph., 1-60 gr.		Tr. Digitalis, 3 min., Tr. Strophanthus,	
Quinia and Atropia Comp.....	1 80	2 min.	
Quinia Bisulph., 1 gr., Potass. Arsen.,		Strophanthus Comp. No. 2.....	1 80
1-200 gr., Atropia Sulph., 1-600 gr.		Tr. Digitalis, 3 min., Tr. Strophanthus,	
Quinia Bisulphate, 1-10 gr.....	1 00	2 min., Nitroglycerin, 1-100 gr.	
Quinia Bisulphate, $\frac{1}{4}$ gr.....	1 10	Strophanthus Comp. No. 3, (Dr. Pike.)	2 00
Quinia Bisulphate, $\frac{1}{2}$ gr.....	1 25	Tr. Digitalis, 3 min., Tr. Strophanthus,	
Quinia Bisulphate, 1 gr.....	1 50	2 min., Tr. Nux Vomica, 2 min.	
Quinia, Digitalis Comp. (Dr. Fowler)	1 50	Strychnia Muriate, 1-100, 1-60, 1-30, 1-20 gr.....	1 10
Quinia Sulph., $\frac{1}{2}$ gr., Strych. Sulph.,		Strychnia Muriate Comp.....	1 10
1-100 gr., Digitalis Powd., $\frac{1}{2}$ gr., Iron		Corrosive Sub., 1-20 gr., Ext. Belladonna,	
Powd., $\frac{1}{2}$ gr.		1-10 gr., Strychnia Mur., 1-40 gr.	
Quinia & Hyoscyamus Co.....	2 50	Strychnia Nitrate, 1-100, 1-60, 1-40, 1-30, 1-20 gr.	1 00
Morphia Sulph., 1-40 gr., Ext. Hyoscy-		Strychnia Sulphate, 1-1000, 1-500 1-200, 1-100,	
am., 1-10 gr., Quinia Sulph., 1 gr.		1-60, 1-50, 1-40, 1-30, 1-20, 2-16 gr.....	75
Quinia, Iron & Arsenic.....	1 50	Strychnia Sulphate, 1-10 gr.....	95
Quinia Sulph., $\frac{1}{2}$ gr., Iron Powd., $\frac{1}{2}$ gr.,		Strychnia Valerianate, 1-100, 1-60, 1-50 gr.....	1 10
Acid Arsenious, 1-120 gr.		Sulphur, 1-100, 1-50, 1-10, $\frac{1}{2}$ gr.	75
Quinia & Licorice.....	1 10	Sulphur and Ipecac, (Dr. Gilbert.)	1 10
Quinia Sulph., 1-10 gr., Ext. Licorice,		Sulphur, 1-10 gr. Ipecac Powd., 1-10 gr.	
1-10 gr.		Tartar Emetic, 1-100, 1-51, 1-20, 1-10 gr.....	75
Quinia Sulphate, 1-10 gr.....	95	Tartar Emetic Comp.....	90
Quinia Sulphate, $\frac{1}{4}$ gr.....	1 10	Opium Po., $\frac{1}{4}$ gr., Tart. Emetic, 1-16 gr.,	
Quinia Sulphate, $\frac{1}{2}$ gr.....	1 25	Calomel, $\frac{1}{2}$ gr.	
Quinia Sulphate, 1 gr.....	1 50	Tartar Emetic and Morphia.....	75
Rhinitis, ($\frac{1}{2}$ strength) Dr. Lincoln.)	1 50	Tartar Emetic, 1-100 gr., Morphia Sulph.,	
Camphor, $\frac{1}{4}$ gr., Belladonna Fl. Ext., $\frac{1}{2}$		1-100 gr.	
gr., Quinia Sulph., $\frac{1}{4}$ gr.		Tartar Emetic and Opium.....	75
Rhubarb Comp. U S P., $\frac{1}{2}$ gr.....	75	Tart. Emetic, 1-100 gr. Op. Po., 1-50 gr.	
Rhubarb & Ipecac (Dr. Hitchcock)	75	Terpin Hydrate, 1 gr.....	1 25
Rhubarb Powd., $\frac{1}{4}$ gr., Ipecac Powd.,		Throat.....	1 10
1-10 gr.		Potass. Iodide, 1-10 gr., Salt, 1-10 gr.,	
Saccharin, $\frac{1}{2}$ gr.....	3 75	Sugar, $\frac{1}{2}$ gr.	
Saccharin, 1 gr.....	5 60	Tonic, (Dr. Hammond.).....	1 50
Saccharin and Sodium Bicarbonate (Soluble)	3 75	Iron Pyrophos, $\frac{1}{2}$ gr., Quinia Sulp., $\frac{1}{2}$ gr.	
Saccharin, $\frac{1}{2}$ gr., Sodium Bicarb., q. s.		Strych. Sulph., 1-120 gr.	
Salicin, 1 gr.....	1 50	Tonic Alternative.....	1 10
Salol, Intestinal Antiseptic, 1-10 gr.....	75	Corrosive Sub., 1-50 gr., Strych. Sulph.,	
Salol, $\frac{1}{2}$ gr.....	1 50	1-100 gr., Ipecac Powd., 1-20 gr.	
Salol, 1 gr.....	1 85	Tonic Alternative No. 2, (Dr. Fisk.).....	1 10
Sanguinaria & Codeine.....	1 30	Corrosive Sub., 1-30 gr., Strych. Sulph.,	
Tr. Sanguinaria, 1 min., Codeine, 1-25 gr.		1-60 gr., Iron Powd., 1 gr.	
Santonin, $\frac{1}{2}$ gr.....	1 25	Tonsillitis.....	1 25
Santonin, 1 gr.....	2 00	Tr. Aconite, 1-5 min., Tr. Bryonia, 1-10	
Santonin & Calomel.....	1 65	min., Tr. Belladonna, 1-10 min., Merc.	
Santonin, $\frac{1}{2}$ gr., Calomel, $\frac{1}{2}$ gr.		Iod. Red. 1-100 gr.	
Santonin & Podophyllin (Dr. Sidney).....	1 50	Tully's Comp.....	1 70
Santonin, $\frac{1}{2}$ gr., Podophyllin, 1-20 gr.		Tully's Tablets, 2 $\frac{1}{2}$ grs., Calomel, $\frac{1}{4}$ gr.	
Sciatica, (Dr. Jno. T. Metcalf)	1 10	Tully's Comp. No. 2.....	1 70
Tr. Aconite, $\frac{1}{4}$ min., Tr. Belladonna, $\frac{1}{4}$		Tully's Po., 2 $\frac{1}{2}$ grs., Podophyllin, 1-10 gr.	
min., Tr. Colchicum, $\frac{1}{2}$ min., Tr. Cimici-		Tully's Powder, 1-10, 1-5, $\frac{1}{2}$ gr.....	75
fuga, $\frac{1}{4}$ min.		Tully's Powder, 1 gr.....	90
Sciato Neuralgic (Dr. Elliot)	1 50	Tully's Tablets, 2 $\frac{1}{2}$ grs.....	1 50
Fl. Ext. Bellad., 1-6 min., Fl. Ext. Aco-		Turpeth Mineral, 1 gr.....	75
nite, $\frac{1}{2}$ min., Fl. Ext. Gelsem., 1 $\frac{1}{2}$ min.		Turpeth Mineral, 2 gr.....	1 15
Senega Comp (Dr. Cleveland)	1 10	Zinc Phosphide, 1-100, 1-50, 1-25, 1-10 grs.....	75
Tr. Squills, 1 min., Tr. Ipecac, 1 min., Tr.		Zinc Phosphide, $\frac{1}{4}$ gr.....	1 10
Senega, 1 min.		Zinc Phos. & Nux Vomica (Dr. Hammond) ..	1 10
Sodium Arseniate, 1-100, 1-50, 1-25, 1-16, 1-10 gr.	75	Zinc Phos. 1-10 gr., Ext. Nux.Vom., $\frac{1}{4}$ gr.	
		Zinc Sulphate, 1 gr.....	75
		Zinc Sulphocarbonate, 1 gr.....	1 10

TABLETS MADE TO ORDER.

Many physicians have formulas which possibly could be made in the form of Tablet Triturates to their advantage and to the convenience of their patients. We shall be happy to answer any correspondence regarding formulas which, if satisfactory, form the means of enlarging our list and adding to the efficiency of this mode of administering medicine.



FRASER'S HYPODERMIC TABLETS.

The medicines in these tablets are combined with an unobjectionable base. They do not cause abscesses, and may be given internally as well as administered hypodermically.

These tablets are easily soluble in ten minims of warm water*; are hard enough to retain their form, and will not pulverize or crumble in the bottle. They also possess the advantage of accuracy of dose and perfect preservation of the drug.

The prices in this list are NET to Physicians.

	Per 100		Per 100
Aconitia Nitrate, 1-50 gr.....	\$ 0 95	Morphia and Atropia.....	\$ 0 55
Aconitia Nitrate, 1-100 gr.....	65	Morph. Sul., $\frac{1}{2}$ gr., Atrop. Sul., 1-150 gr.....	45
Aconitia Nitrate, 1-150 gr.....	55	Morphia and Atropia.....	45
Aconitia Nitrate, 1-200 gr.....	45	Morph. Sul., $\frac{1}{4}$ gr., Atrop. Sul., 1-120 gr.....	45
Apomorphia Mur., 1-10 gr.....	75	Morphia and Atropia.....	45
Apomorphia Mur., 1-20 gr.....	55	Morph. Sul., $\frac{1}{4}$ gr., Atrop. Sul., 1-150 gr.....	45
Arsenite of Potass., 1-20, 1-30, 1-50 gr.....	30	Morphia and Atropia.....	45
Atropia Sulphate, 1-50 gr.....	35	Morph. Sul., $\frac{1}{4}$ gr., Atrop. Sul., 1-120 gr.....	45
Atropia Sulphate, 1-100, 1-150, 1-200 gr.....	30	Morphia and Atropia.....	45
Brucia Nitrate (Merck's), 1-50, 1-100 gr.....	30	Morph. Sul., $\frac{1}{4}$ gr., Atrop. Sul., 1-200 gr.....	45
Caffeine Citrate (Merck's), $\frac{1}{2}$ gr.....	40	Morphia and Atropia.....	45
Caffeine and Sodium Benz., $\frac{1}{2}$ gr.....	45	Morph. Sul., 1-6 gr., Atrop. Sul., 1-150 gr.....	45
Caffeine and Sodium Benz., 1 gr.....	75	Morphia and Atropia.....	45
Cocaine Hydrochlorate, $\frac{1}{4}$ gr.....	1 10	Morph. Sul., 1-6 gr., Atrop. Sul., 1-180 gr.....	40
Cocaine Hydrochlorate, 1-5 gr.....	95	Morphia and Atropia.....	40
Cocaine Hydrochlorate, $\frac{1}{2}$ gr.....	65	Morph. Sul., $\frac{1}{2}$ gr., Atrop. Sul., 1-200 gr.....	40
Cocaine Hydrochlorate, 1-10 gr.....	55	Morphia and Atropia.....	40
Cocaine Hydrochlorate, 1-20 gr.....	35	Morph. Sul., $\frac{1}{2}$ gr., Atrop. Sul., 1-150 gr.....	1 25
Codeine Phosphate, $\frac{1}{4}$ gr.....	1 10	Morphia Modified (Dr. Hubbard).....	1 25
Codeine Sulphate, $\frac{1}{4}$ gr.....	75	Mor. Brom., $\frac{1}{4}$ gr., Hyos. Hydro., 1-100 gr.....	1 00
Corrosive Sublimate, 1-20, 1-30, 1-50 gr.....	30	Morphia Phthalate, $\frac{1}{4}$ gr.....	75
Digitalia, 1-100 gr.....	75	Morphia Phthalate, $\frac{1}{2}$ gr.....	1 10
Ergotina, 1-10 gr.....	30	Morphia Phthalate and Atropia.....	1 00
Hyoscin Comp.....	95	Mor. Phthal., $\frac{1}{4}$ gr., Atrop. Sul., 1-150 gr.....	90
Hyosc. Hydrob., 1-200 gr., Atrop. Sulph., 1-200 gr., Morphia Sulph., $\frac{1}{4}$ gr.....	95	Morphia Phthalate and Atropia.....	1 10
Hyoscin Hydrobrom., 1-100 gr.....	75	Mor. Phthal., 1-6 gr., Atrop. Sul., 1-180 gr.....	30
Hyoscin Hydrobrom., 1-200 gr.....	3 00	Morphia Phthalate and Atropia.....	40
Hyoscyamia Sulph. (Merck's White Cryst.), 1-25 gr.....	1 50	Mor. Phthal., $\frac{1}{2}$ gr., Atrop. Sul., 1-200 gr.....	1 10
Hyoscyamia Sulph. (Merck's White Cryst.), 1-50 gr.....	75	Morphia and Hyoscyamia.....	1 10
Hyoscyamia Sulph. (Merck's White Cryst.), 1-100 gr.....	50	Morph. Sul., $\frac{1}{4}$ gr., Hyoscy. Sul., 1-100 gr.....	30
Hyoscyamia Sulph. (Merck's White Cryst.), 1-200 gr.....	75	Nitroglycerin, 1-50, 1-100, 1-200 gr.....	40
Morphia Sulphate, $\frac{1}{2}$ gr.....	75	Nitroglycerin and Strychnia.....	75
Morphia Sulphate, $\frac{1}{4}$ gr.....	55	Nitroglyc., 1-100 gr., Strych. Sul., 1-50 gr.....	55
Morphia Sulphate, $\frac{1}{4}$ gr.....	45	Pilocarpin Mur., 1-10 gr.....	30
Morphia Sulphate, 1-6, $\frac{1}{2}$, 1-10 gr.....	40	Pilocarpin Mur., 1-20 gr.....	6 75
Morphia and Atropia.....	75	Quinia Bisulphate, $\frac{1}{2}$ gr.....	75
Morph. Sul., $\frac{1}{2}$ gr., Atrop. Sul., 1-120 gr.....		Quinia and Urea Bi-Mur (For Hypodermic use), 2 $\frac{1}{2}$ grs.....	
		Per 100.....	
		Strychnia Sulphate, 1-25, 1-50, 1-60, 1-100, 1-200 grs.....	30

*It is unnecessary to use warm water for the Morphia, Atropia, or Hyoscyamia Tablets, but better to use hot water for the others.

†Phthalate of Morphia is more soluble than the sulphate, and has been specially recommended for hypodermic use, causing less nausea and general Morphine disturbance.

FRASER'S SOLUBLE COMPRESSED TABLETS.

These tablets are designed to supply some of those remedies in a physician's stock which are administered in doses or used in quantities too large to be prepared in Tablet Triturate form.

Our patrons who wish to use medicines in this form, can rely on the quality of the drugs used, in their manufacture being the same as is employed in our Tablet Triturates, and also upon the same care and skill being observed in their preparation.

The prices in this list are NET to physicians.

	Per 1000		Per 1000
Absorbent Dyspeptic.....	\$ 1 85	Acetanilide Aromatic.....	\$ 2 00
Pepsin 1 gr., Charcoal 2 gr., Sodium Bicarb 2 $\frac{1}{2}$ gr.....		Acetanilide, 5 grs., Oil Gaultheria, q. s., Pink Coloring, q. s.....	
Acetanilide, 2 grs.....	1 10	Acetanilide Comp. No. 1 (Dr. Pitcher).....	1 30
Acetanilide, 3 grs.....	1 30	Acetanilide, 2 gr., Fl. Ex. Gelsem., 1 min.....	2 00
Acetanilide, 4 grs.....	1 50	Acetanilide Comp. No. 2.....	2 60
Acetanilide, 5 grs.....	1 65	Acetanilide, 4 gr., Fl. Ex. Gelsem., 2 min.....	
		Acetanilide Comp. No. 3.....	
		Acetanilide, 3 gr., Tully's Powder, 3 gr.....	

Please specify FRASER'S in ordering or prescribing.



FRASER'S SOLUBLE COMPRESSED TABLETS.

	Per 1000		Per 1000
Acetanilide Comp. No. 4 (Dr. Grey).....	\$ 2 60	Per doz. bottles of 25 each, net.....	\$ 2 00
Acetanilide, 2½ gr., Caffeine Citrate, 1 gr.		One of these tablets dissolved in one pint	
Gelsemin, 1-10 gr.		of water, makes a solution, the Corro-	
Acetanilide Modified.....	1 90	sive Sublimate strength of which is 1 to	
Acetanilide, 4 gr., Tr. Digitalis, 2 min.		1000.	
Acetanilide & Salol.....	4 50	Antiseptic No. 4, (Colored Blue).....	2 80
Acetanilide, 2½ gr., Salol, 2½ gr.		Corrosive Sub., 3 7-10 gr., Sodium Chlor.,	
Per 100.....	50	3 9-10 gr.	
Alkaline Charcoal.....	75	Per doz. bottles of 35 each, net.....	2 00
Charcoal, 1 gr., Sodium Bicarb., 1 gr.		One of these tablets dissolved in one-half	
Alkaline Iodide.....	6 00	pint of water, makes a solution, the Corro-	
Potass. Iodide, 5 gr., Potass. Bicarb., 5 gr.		sive Sublimate strength of which is 1	
Per 100.....	75	to 1000.	
Alkaline Laxative.....	4 00	Antiseptic Dyspeptic.....	5 50
Ext. Belladonna, ½ gr., Ext. Nux Vom.,		Pepsin, 1 gr., Bismuth Subnit., 5 gr.,	
¼ gr., Ext. Colocy. Co., 1½ gr., Sodium		Salol, 1 gr.	
Bicarb., 1 gr.		Antiseptic Dyspeptic, Anodyne.....	7 50
Ammonium Bromide, 5 gr.....	1 10	Pepsin, 1 gr., Bismuth Subnit., 5 gr.,	
Ammonium Muriate, 3 gr., 5 gr.....	75	Salol, 1 gr., Cocaine Hydro., 1-12 gr.)	
Ammonia Salicylate, 5 gr.....	5 75	Antiseptic Pastilles, (Dr. Carl Seiler.).....	3 00
Anodyne No. 2 (Dr. H. P. Loomis).....	3 50	For Spray, Mouth Wash and Nasal Dou-	
Ext. Hyosciam, 2 gr., Camphor, 1 gr.,		che. Dissolve one in four tablespoon-	
Morphia Sulph., 1-6 gr.		fuls of warm water for use.	
Per 100.....	60	Astringent Wash.....	3 00
Anticongestion.....	2 10	Lead Acetate, 2 gr., Zinc Acetate, 2 gr.,	
Ext. Cascara Sag., 1 gr., Ext. Nux Vom.,		Hydrastin Mur., 1-20 gr., Morphia Ace-	
½ gr., Ext. Belladonna, ¼ gr., Ipecac		tate, 1-32 gr.	
Powd., ½ gr., Podophyllin, ½ gr.		Bismuth and Charcoal.....	2 00
Antidyspeptic Comp. (Dr. Bradley).....	2 25	Bismuth Subnit., 2 gr., Charcoal, 5 gr.	
Cubeb. Powd., ½ gr., Rhubarb Powd., ¼		Bismuth Salicylate, 5 gr.....	5 25
gr., Bismuth Subnit., 2 gr., Sugar, 2½ gr.		Per 100.....	65
Oil Peppermint, ¼ min.		Bismuth Salicylate Co.....	7 50
Antifebrin, 2 grs.....	2 10	Bismuth Salicy., 5 gr., Salol, 2½ gr.,	
Antifebrin, 3 grs.....	2 65	Charcoal, 2½ gr.	
Antifebrin, 4 grs.....	3 00	Per 100.....	90
Antifebrin, 5 grs.....	3 75	Bismuth Subcarb., 5 gr.....	4 25
Per 100.....	50	Bismuth Subcarb., 2 gr.....	1 90
Antifebrin Comp. (Dr. Hoag).....	3 75	Bismuth Subnitrate, 5 gr.....	4 25
Caffeine Citrate ½ gr., Sodium Bromide,		Per 100.....	50
5 gr., Antifebrin, 2 gr.		Boric Acid, 3 gr., 5 gr.....	1 50
Per 100.....	60	Borax, 3 gr.....	75
Antimalarial.....	5 25	Borax, 5 gr.....	90
Nux Vom. Powd., ¼ gr., Capsicum		Borax Comp., (Fraser & Co.).....	1 10
Powd., ¼ gr., Ext. Hyosciam., ½ gr.,		Borax, 1 gr., Saccharum Alb., 5 gr., Oil	
Quinia Sulph., 3 gr.		Gaultheria, 1-20 gr.	
Per 100.....	75	Bromism.....	4 00
Antipyrine, 2 grs.....	11 50	Bismuth Salicylate, 3 gr., Beta Naph-	
Per 100.....	1 25	thol, 1½ gr.	
Antipyrine, 3½ grs.....	17 25	Brown Mixture Comp.....	1 50
Per 100.....	2 00	B. Mixture, 1 teasp., Ammon. Mur., 1 gr.	
Antipyrine, 5 grs.....	27 00	Caffeine Citrate, 2 gr.....	3 75
Per 100.....	2 75	Per 100.....	50
Antipyrine Comp.....	30 00	Caffeine Comp.....	2 50
Antipyrine, 5 gr., Acetanilide, 1 gr.		Caffeine Citrate, 1 gr., Nitroglycerin,	
Per 100.....	3 00	1-200 gr., Fl. Ext. Gelsem., ½ min.	
Antiseptic, No. 1 (Colored Blue).....	3 75	Calomel, 5 gr.....	2 00
Corrosive Sub., 7 3-10 gr., Ammon. Mur.,		Calomel, 10 gr.....	3 00
7 7-10 gr.		Calomel and Bismuth.....	1 70
Per 100.....	55	Calomel, 1-6 gr., Dover's Powder, 1 gr.,	
Per doz. bottles of 25 each, net.....	2 00	Sodium Bicarb., 2 gr., Bismuth Subnit.,	
One of these tablets dissolved in one pint		1 gr.	
of water, makes a solution, the Corro-		Calomel and Capsicum.....	1 50
sive Sublimate strength of which is 1 to		Calomel, 2 gr., Capsicum, ½ gr.	
1000.		Calomel and Ipecac Co., (Dr. Stimson.).....	1 90
Antiseptic, No. 2 (Colored Blue).....	2 80	Calomel, 1 gr., Ipecac Powd., 1 gr., Opium	
Corrosive Sub., 3 7-10 gr., Ammon. Mur.,		Powd., ¼ gr.	
3 9-10 gr.		Calomel and Ipecac Co. No. 2.....	1 35
Per doz. bottles of 25 each, net.....	2 00	Calomel, ¼ gr., Ipecac Powd., ¼ gr.,	
One of these tablets dissolved in one-half		Rhubarb Powd., 1 gr.	
pint of water, makes a solution, the Corro-		Calomel and Podophyllin Comp.....	1 75
sive Sublimate strength of which is 1		Calomel, 1 gr., Sodium Bicarb., 2 gr., Po-	
to 1000.		dophyllin, ¼ gr., Ipecac Powd., ¼ gr.	
Antiseptic No. 3, (Colored Blue.).....	3 75	Calomel and Rhubarb Co.....	2 65
Corrosive Sub., 7 3-10 gr., Sodium Chlor.,		Calomel, 2½ gr., Rhubarb Powd., 2½ gr.,	
7 7-10 gr.		Cinnamon Powd., 1 gr.	
Per 100.....	55	Calomel and Soda.....	95
		Calomel, ½ gr., Sodium Bicarb., 3 gr.	

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FRASER'S SOLUBLE COMPRESSED TABLETS.

	Per 1000		Per 1000
Camphor Comp	\$1 65	Dyspeptic Anodyne	\$3 75
Camph. Monobr., 1 gr., Acetanilide, 2 gr.		Pepsin, 1 gr., Charcoal, 2 grs., Sodium	
Camphor, Capsicum Co.	2 25	Bicar., 2½ grs., Morphia Sul., 1-12 gr.,	
Camphor, ½ gr., Opium Powd., ½ gr.,		Sodium Bromide, 3 grs.	
Capsicum Powd., 1 gr., Dover's Po., 3 gr.		Per 100	50
Cannabis Comp. No. 1, (Dr. Patterson).	1 30	Dyspeptic Comp. (Dr. Outerbridge)	1 85
Camphor, 1 gr., Ext. Can. Ind., ¼ gr.,		Pep. 1 gr., Charcoal, 3 gr., So. Bicar., ½ gr.	
Ext. Hyoscyam, ½ gr., Sugar of Milk, q.s.		Eisenzucker, 5 grs.	1 50
Cannabis Comp. No. 2	1 70	Eisenzucker, 3 grs.	1 00
Ext. Can. Ind., ¼ gr., Morphia Sulph.,		Emmenagogue.	4 00
1-20 gr., Strych. Sulph., 1-120 gr., Acid		Ergotin, 1 gr., Ext. Gossypium, 1 gr.,	
Arsenious, 1-50 gr., Ext. Aconite, ½ gr.		Iron Sul. Dry, 1 gr., Ex. Bl'k Helleb., 1 gr.,	
Cascarin Tablets. (Dr. Waldstein)	6 75	Aloes Soc., 1 gr., Oil Savine, ¼ min.	
Salicin 3 gr., Cascarin, 2 gr.		Ergotin, ½ gr.	1 70
Per 100	1 25	Ergotin Comp.	3 00
Cascara Sagrada Fl. Ext., 5 min.	2 10	Ergotin, 1½ grs., Tr. Digitals, ½ min.,	
Cerium Oxalate, 2 gr.	1 70	Quinia Sulph., ½ gr.	
Cerium Oxalate, 5 gr.	2 25	Per 100	45
Charcoal, 2 gr., 5 gr., 10 gr.	75	Exalgine, 2 grs.	15 00
Cocaine Throat.	3 75	Per 100	1 50
Cocaine Mur., 1-12 gr., Cubeb. Po., 1 gr.,		Exalgine, 3 grs.	22 00
Acid Benz., ½ gr., Potass. Chlor., 2 grs.,		Per 100	2 25
Licorice Powd., q. s.		Exalgine, 5 grs.	32 00
Per 100	50	Per 100	3 25
Cold, No. 3 (Dr. Gage)	4 00	Febrifuge	9 00
Quinia Sul., 2 grs., Dover's Powd., 2 grs.,		Quinia Sulph., 2 grs., Acetanilide, 2 grs.,	
Capsic. Powd., ¼ gr., Tr. Aconite, 1 min.		Cocaine Muriate, 1-6 gr.	
Per 100	60	Per 100	1 00
Corrosive Sub. Soluble (For Hair Wash)	1 00	Four Chlorides	3 00
Corrosive Sub., 1 gr., Tartaric Acid, 1 gr.		Iron Chlo., ¼ gr., Arsenic Chlor., 1-64 gr.	
Coryza (Dr. Richards)	2 00	Mere. Bichlo., 1-48 gr., Quin. Chlor., 1 gr.	
Quinia Sul., ½ gr., Ammon. Mur., ¼ gr.,		Four Chlorides, No. 2	2 00
Camphor, ½ gr., Opium Powd., 1-10 gr.,		Iron Chlo., ¼ gr., Arsenic Chlo., 1-100 gr.,	
Ext. Bellad., 1-10 gr., Ext. Aconite, 1-10 gr.		Mere. Bichlor., 1-100 gr., Quin. Chlo., ½ gr.	
Cough, No. 2	1 50	Fraser's Carb. Iron, No. 1	1 15
Ammon. Carb., 1 gr., Squills Po., ¾ gr.,		Ferri Carb., 2 gr., Sacch. Alb. 1 gr.	
Senega Powd., ¾ gr., Paregoric, 5 min.		Fraser's Carb. Iron, No. 2	1 70
Cough, No. 3	2 50	Ferri Carb., 5 grs., Sacch. Alb., 2½ grs.	
Tr. Saguin., 3 min., Mor. Acet., 1-16 gr.,		Gallie Acid Comp.	1 85
Wine Antim., 5 min., Syr. Wd. Cherry, q.s.		Gallie Acid, 3 grs., Ext. Belladonna, 1-6 gr.	
Croup, (Spasmodic)	2 25	Gonorrhoe	2 25
Ex. Can. Ind., 1-20 gr., Ex. Hyos., 1-20 gr.,		Cubeb. Pulv., 1 gr., Copaiba Solid, 1 gr.,	
Paregoric, 5 min., Syr. Ipecac., 5 min.		Iron Sulph. Dry, ¼ gr., Oil Sandal, ¼	
Ext. Licorice, 2 grs.		min., Oil Wintergr., 1-10 min., Venice	
Cubeb. Comp.	1 10	Turpen., ¼ min.	
Rhubarb Powd., ½ gr., Cubeb. Po., ½ gr.,		Per 100	35
Cale. Mag., 1 gr., Oil Peppermint, 1-20 gr.		Gray Powder Comp., (Dr. Aderton.)	4 75
Damiana Comp	3 00	Mere. with Chalk, 1 gr., Salol, 1 gr., Bis-	
Ext. Damiana, 2 gr., Phosphorus, 1-30 gr.,		mut. Subnit., 3 gr.	
Ext. Nux Vom., ¼ gr.		Gray Powder Comp. No. 2	1 50
Per 100	50	Mere. with Chalk, 1 gr., Dover's Powd.,	
Damiana Comp. No. 2 (Dr. La Madrid)	2 75	1 gr.	
Zinc. Phos., 1-10 gr., Ex. Can. Ind., ¼ gr.,		Grip	8 09
Strych. Sul., 1-40 gr., Ex. Damiana, 1½ gr.		Ammon. Salicyl., 3 gr., Phenacetin, 1 gr.,	
Damiana Comp. No. 3	3 00	Caffeine, ½ gr.	
Ex. Damiana, 2 gr., Ex. Nux Vom., 1-5 gr.,		Guaiaac Comp	1 19
Cantharides, 1-20 gr.		Guaiaac, 1½ gr., Ammon. Mur., 1½ gr.,	
Diarrhoea, No. 2, (Dr. Hinz)	9 00	Ext. Licorice, ½ gr.	
Pepsin Pure, ¼ gr., Bismuth Sub. 6 grs.		Heart Tonic	5 65
Fl. Ext. Nux Vomica, 2 min., Fl. Ext.		Fl. Ext. Cac. Grand, 5 min., Tinct. Digi-	
Hydrast., 5 min.		tal., 2 min., Caffeine Cit., 2 gr.	
Per 100	1 00	Per 100	75
Diarrhoea, No. 4, (Dr. Tinker)	4 75	Hydrarg. Comp. No. 1, (Dr. Leaming.)	1 10
Bismuth Subnit., 2 grs., Salol, 2 grs.		Calomel, 1-24 gr., Tartar Emetic, 1-120 gr.	
Per 100	60	Nitr. Potass., 2½ r., Ext. Licorice., Oil	
Diarrhoea, No. 5, (Board of Health)	3 50	Sassafras, Oil Wintergr., aa. q.s.	
Bismuth Sub., 3 grs., Sacch. Pepsin, 2 grs.		Hydrarg. Comp. No. 2, (Dr. Leaming.)	1 50
Arom. Chalk Powd., 2 grs.		Calomel, 1-12 gr., Tartar Emetic, 1-30 gr.	
Diffusive Malarial	1 50	Nitr. Potass., 5 gr., Ext. Licorice, Oil	
Corrosive Sub., 1-50 gr., Am. Mur., 2 grs.,		Sassafras, Oil Wintergr., aa. q.s.	
Cinchonia Sulph., 1-10 gr., Cinchonid.		Hydrarg. Comp. No. 3, (Dr. Leaming.)	2 25
Sulph., 1-10 gr., Quinia Sulph., 1-10 gr.		Calomel, 1-6 gr., Tartar Emetic, 1-30 gr.	
D'uretic	1 75	Nitr. Potass., 10 gr., Ext. Licorice, Oil	
Digitalis Powd., 1 gr., Ext. Buchu., 1 gr.,		Sassafras, Oil Wintergr., aa. q. s.	
Potass. Nit., 1 gr., Squills Powd., 1 gr.		Hypnotic	3 50
Dover's Powder, 5 grs.	2 50	Sodium Bromide, 5 gr., Acetanilide, 2 gr.,	
Per 100	35	Hyoscyamia, 1-100 gr., Digitalia, 1-100 gr.	

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FRASER'S SOLUBLE COMPRESSED TABLETS.

	Per 1000		Per 1000
Hypophosphites and Quinia.....	4 50	Nerve Tonic No. 4, (Dr. Westbrook.).....	2 00
Quinia Hypo., 1 gr., Ferrum Hypo., ½		Zinc Phosphide, 1-10 gr., Ext. Nux	
Calcium Hypo., ½ gr., Sodium Hypo.,		Vomica, ¼ gr., Iron Powder, 2 gr., Acid	
½ gr., Potass. Hypo., ¼ gr., Mangan.		Arsenious, 1-20 gr	
Hypo., ¼ gr., Strych. Hypo., 1-64 gr.		Neuralgic No. 3, (Dr. Miller.).....	2 50
Hypophosphites and Quinia with Creasote,	5 50	Acetanilide, 2½ gr., Camph. Monb., 2½ gr	
Quinia Hypo., 1 gr., Ferrum Hypo., ½		Neuralgic Headache, (Dr. Myers.).....	2 10
gr., Calcium Hypo., ½ gr., Sodium Hypo.,		Sodium Bromide, 5 gr., Caffeine Citrate,	
½ gr., Potass. Hypo., ¼ gr., Mangan.		½ gr., Antifebrin, 1 gr., Ext. Hyoscyam.,	
Hypo., ¼ gr., Strych. Hypo., 1-64 gr.,		½ gr., Morphia Sulph., 1-50 gr.	
Creasote, ½ min.		Pepsin, Bismuth and Charcoal.....	6 30
Ipecac Powd., 5 gr.....	3 75	Pepsin Conc., 2 gr., Bismuth Subnit., 2 gr.,	
Per 100.....	50	Charcoal, 2 gr.	
Iron Albuminate, 3 gr.....	2 25	Per 100.....	75
Iron Albuminate, 5 gr.....	3 75	Pepsin Sacch, 5 grs.....	2 25
Per 100.....	50	Phenacetine, 2 grs.....	9 00
Iron Albuminate Comp.....	3 75	Per 100.....	90
Iron Albuminate, 5 gr., Acid Arsenious,		Phenacetine, 3 grs.....	12 50
1-40 gr.		Per 100.....	1 25
Iron, Arsenic and Strychnia No. 4.....	1 10	Phenacetine, 4 grs.....	15 50
Iron Powd., 2 gr., Acid Arsenious, 1-80		Per 100.....	1 60
gr., Strychnia Sulph., 1-60 gr.		Phenacetine, 5 grs.....	18 50
Iron Lactate, 2 gr.....	1 50	Per 100.....	1 85
Iron and Mercury Comp., with Quinia.....	1 50	Phenacetine Comp.....	
Reduced Iron, 1 gr., Mercury Bichlor.,		Antipyrine, 2 gr., Phenacetin, 2 gr.,	
1-60 gr., Acid Arsenious, 1-60 gr., Strych.		Caffeine Cit., 1 gr., Sugar of Milk, 1 gr.	
Sulph., 1-60 gr., Quinia Sulph., ½ gr.		Per 100.....	2 50
Iron Pyrophos Comp.....	1 60	Phosphates.....	3 00
Iron Pyrophos, 1 gr., Quinia Sulph., ½ gr.		Iron Phosphate, 1 gr., Quinia Phosphate,	
Strych. Sulph., 1-60 gr., Acid Arsenious,		1 gr., Strychnia Phos., 1-60 gr.	
1-30 gr.		Podoph. and Colocynth Co.....	4 50
Iron, Quinia and Aloes Co., (Dr. Duncan.)..	4 00	Podophyllin, 1-5 gr., Ext. Colocynth Co.	
Iron Powd., 2 gr., Quinia Sulph., 2 gr.,		1½ gr., Ext. Jalap, 1 gr., Ext. Hyoscyam.,	
Strychnia Sulph., 1-40 gr., Acid Arsenious,		1-5 gr.	
1-40 gr., Aloes Powd., ½ gr.		Per 100.....	55
Per 100.....	50	Potass. Bicarbonate, 5 grs.....	1 15
Krameria Comp., (Dr. Applegate.).....	1 90	Potass. Bicarbonate, 10 grs.....	1 50
Krameria Fl. Ext., 1 min., Bismuth Subnit.,		Potass. Bromide, 5 grs.....	1 15
1 gr., Opium Powd., ¼ gr., Licorice		Potass. Bromide, 10 grs.....	1 90
R't Powd., ¼ gr.		Potass. Chlorate, 3 grs., 5 grs.....	75
Lacto Ferric.....	1 50	Potass. Chlorate, (with Oil Wintergr'n) 5 grs.	75
Iron Lactate, 1 gr., Cinchonia Sulph.,		Potass. Iodide, 1 gr.....	1 50
1 gr., Ext. Hyoscyam, 1-5 gr., Acid Arsenious,		Potass. Iodide, 2 grs.....	2 50
1-30 gr., Strych. Sulph., 1-60 gr.,		Potass. Iodide, 5 grs.....	5 25
Laryngitis.....	1 15	Potass. Nitrate, 5 grs.....	75
Potass. Brom., 1½ gr., Potass. Chlorate,		Potass. Permanganate, 1 gr.....	1 10
½ gr., Ipecac Powd., 1-12 gr., Ext. Licorice,		Potass. Permanganate, 2 grs.....	1 25
1½ gr., Squills Powd., ¼ gr.		Quinia Bisulph., 2 grs.....	2 25
Lead and Bismuth Comp.....	2 60	Quinia Bisulph., 3 grs.....	3 00
Lead Acetate, 1 gr., Bismuth Subnit., 2		Per 100.....	40
gr., Camphor, ½ gr., Opium Powd., ¼ gr.		Quinia Bisulph., 4 grs.....	4 00
Lithium Carb., 5 gr.....	3 50	Per 100.....	50
Per 100.....	50	Quinia Bisulph., 5 grs.....	5 00
Lithium Salicylate, 5 gr.....	6 00	Per 100.....	60
Per 100.....	75	Quinia and Chocolate.....	3 95
Manganese Binoxide, 2 gr.....	1 25	Quinia Tannate, 1 gr., Chocolate, 9 gr.	
Mercury and Potass. Iodide, (For Antiseptic		Per 100.....	55
use.).....	2 25	Quinia Comp.....	2 25
Merc. Iod. Red, 1 gr., Potass. Iodide, 1 gr.		Quinia Sulph., 1 gr., Acid Arsenious, 1-40	
Mercury and Rhubarb.....	1 50	gr., Iron Powd., 1 gr., Strychnia Sulph.	
Blue Mass, 2 gr., Comp. Rhub. Pil. 1 gr.		1-40 gr., Oil Bl'k Pepper, ½ gr.	
Migraine.....	2 25	Quinia, Iodine Comp., (Dr. Duncan.).....	3 25
Acetanilide, 2 gr., Camph. Monobr., ½ gr.		Quinia Sulph., 2 gr., Acid Arsen., 1-40 gr.,	
Caffeine Citrate, ½ gr.		Iodine (Free) 1-12 gr.	
Mixed Treatment, (Dr. Vidal.).....	5 65	Quinia, Ipecac Comp.....	1 85
Potass. Iodide, 5 gr., Corrosive Sub., 1-30		Quinia Sulph., 1 gr., Ipecac Powd., ½ gr.,	
gr., Syr. Sars. Co., 30 min.		Iron Powd., ½ gr., Strychnia Sulph.,	
Per 100.....	75	1-40 gr., Acid Arsenious, 1-40 gr	
Naphthalin, Pure, (for internal use) 5 grs...	2 00	Quinia Sulphate, 2 grs.....	2 25
Per 100.....	30	Quinia Sulphate, 3 grs.....	3 00
Nausea No. 2.....	5 00	Quinia Sulphate, 4 grs.....	4 00
Bismuth Subnit., 2 gr., Cerium Oxalate,		Quinia Sulphate, 5 grs.....	5 00
2 gr., Cocaine Hydro., 1-12 gr.		Quinia Tannate Comp.....	3 20
Nerve Tonic No. 3, (Dr. Westbrook.).....	1 75	Quinia Tannate, 1 gr., Bismuth Subnit.,	
Zinc Phosphide, 1-10 gr., Ext. Nux		1 gr., Opium Powd., ¼ gr.	
Vomica, ¼ gr., Iron Powd., 2 gr.		Per 100.....	50

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FRASER'S SOLUBLE COMPRESSED TABLETS.

	Per 1000		Per 1000
Rhubarb and Bismuth Co.	\$ 2 60	Sulphonal, 3 grs.	\$16 90
Rhubarb Powd., 2 gr., Ginger Powd., ½ gr., Sodium Bicarb., 1 gr., Bismuth Subnit., 2 gr.		Per 100	1 70
Rhubarb and Ginger Comp	1 85	Sulphonal, 5 grs.	26 25
Rhubarb Po., 1¼ gr., Sod. Bicarb., 1¼ gr., Ginger Po., 2½ gr., Cardamom Po., ¾ gr., Oil Peppermint, 1-20 gr.		Per 100	2 65
Rhubarb and Hyosciam Co.	2 45	Sulphonal, 8 grs.	40 00
Rhubarb Powd., 3 gr., Calomel 1 gr., Ext Hyoscyamus, 1 gr.		Per 100	4 00
Rhubarb and Ipec. Co. (Roosevelt Hospital). Rhubarb Po., 1 gr., Sodium Bicarb. 5 gr., Ipecac Po. ½ gr. Oil Peppermint, 1-20 min.	1 10	Sulphonal, 15 grs.	70 00
Rhubarb and Ipecac Co., No. 2 (Roosevelt Hospital)	1 50	Per 100	7 00
Rhubarb Po., 2 gr., Sodium Bicarb., 6 gr., Ipecac Po., ½ gr., Oil Peppermint, 1-20 gr.		Sulphonal and Hyoscin	
Rhubarb and Ipecac Co., No. 3 (Roosevelt Hospital)	2 25	Sulphonal, 5 gr., Hyoscin Hydro., 1-200 gr.	
Rhubarb Powd., 2 gr., Ipecac Po., ¼ gr., Sodi. Bicarb., 5 gr., Tr. Nux Vom., 5 min., Oil Peppermint, 1-20 gr.		Per 100	3 75
Rhubarb and Magnesia	1 25	Sulphur, 1 gr.	1 00
Rhubarb Powd., 2 gr., Magnesia, 2 gr.		Sulphur Comp	1 00
Rhubarb and Soda	1 10	Sulphur, 5 gr., Cream Tartar, 1 gr.	
Rhubarb Po., 1¼ gr., Sodi. Bicarb., 1¼ gr., Oil Peppermint, 1-7 min.		Sulphur Comp., No. 2	1 00
Rhubarb and Sodium Salicylate Co	4 00	Sulphur, 2½ gr., Cream Tartar, 2½ gr.	
Rhubarb Po., 1¼ gr., Sod. Bicarb., 1¼ gr., Ipecac Po., 1-5 gr., Sod. Salicylate, 5 gr., Oil Peppermint, 1-7 min.		Sulphur Comp., No. 3	1 50
Saccharated Calomel	1 15	Sulphur, 5 gr., Cream Tartar, 2 gr., Ext. Ipecac, 1-100 gr., Ext Capsicum, 1-500 gr., Acid Arsen., 1-1000 gr., Calcium Sul., ½ gr.	
Calomel, 1 gr., Sodium Bicarb., 2 gr., Sugar, 3 gr.		Sun Cholera Tablets.	5 00
Salicin, 5 grs.	3 50	Each tablet represents 15 minims of Sun Cholera Mixture.	
Per 100	50	Tr. Opii, 3 min., Tr. Rhei, 3 min., Tr. Capsici, 3 min., Spts. Camphoræ, 3 min., Spts. Menth. Pip., 3 min.	
Salicylate Comp	3 00	Per 100	60
Sodium Salicyl., 2½ gr., Acetanilide, 5 gr.		Terpin Hydrate, 2 grs.	1 85
Per 100	40	Terpin Hydrate, 3 gr.	2 35
Salol, 2½ grs.	4 00	Terpin Hydrate, 5 gr.	3 35
Per 100	55	Per 100	50
Salol, 3 grs.	4 25	Throat Tablets, (Dr. F. J. Quinlan.)	1 50
Per 100	55	Acid Benzoic, 1 5 gr., Tr. Bellad., 1 min., Paregoric, 10 min., Ext. Licorice, q. s.	
Salol, 5 grs.	7 00	Tonic Chalybeate, (Dr. Flint.) Sugar Coated,	3 00
Per 100	85	Per 100	50
Salol Comp.	5 25	½ size	2 00
Salol, 3 gr., Antifebrin, 2 gr.		Per 100	40
Salol and Cascara Sagrad	7 50	Plain	2 00
Salol, 5 gr., Ext. Cascara Sag., 1 gr.		Per 100	40
Per 100	85	½ size	1 50
Salol and Phenacetine	1 50	Per 100	30
Salol, 2½ gr., Phenacetine, 2½ gr.		From an Analysis of the Blood, containing an excess of Iron and Chloride of Sodium.	
Per 100	1 00	Tonic Gout, (Dr. Robbins.)	4 50
Salol and Phenacetine, No. 2	2 10	Quinia Sulphate, 2 gr., Ext. Digitalis, ¼ gr., Ext. Colchic. Seed, 1 gr.	
Salol, ¼ gr., Phenacetine, 1¼ gr.		Per 100	50
Per 100	1 00	Tonic Laxative, (Dr. Miller.)	2 80
Santonin and Calomel, No. 2	2 10	Ext. Colocy. Co., ½ gr., Ext. Belladonna, 1-10 gr., Quinia Sulph., 1 gr.	
Santonin, 1 gr., Calomel, 1 gr.		Triple Bromides No. 1	1 35
Soda Mint	95	Sodium Brom., 2½ gr., Potass., Brom., 2½ gr., Ammon. Brom., 2½ gr.	
So. Bicar., 5 gr., Oil Peppermint, ¼ min., Arom. Spts. Amm., 2 gr.		Triple Bromides No. 2	2 25
Sodium Bicarbonate, 5 gr., 10 gr.	75	Sodium Bromide, 5 gr., Potass. Bromide, 5 gr., Ammon. Bromide, 5 gr.	
Sodium Bromide, 5 gr.	1 30	Tully's Powder, 5 gr.	2 25
Sodium Bromide, 10 gr.	1 75	Tully's Powder, 10 gr.	4 25
Sodium Salicylate, 2 gr.	2 00	Urethritis No. 1. For 2 oz. (¼ pint) bottles, Zinc Acetate, 2 gr., Corrosive Sub., 1-5 gr.	1 90
Sodium Salicylate, 3 gr.	2 50	Per 100 in screw top bottles.	30
Per 100	35	Per doz. bottles net.	2 25
Sodium Salicylate, 5 gr.	3 25	One of these Tablets dissolved in 2 ounces or 4 tablespoonsful of water, makes a solution, the Corrosive Sublimite strength of which is about 1 to 5000.	
Per 100	50	Urethritis No. 2. For 4 oz. (¼ pint) bottles, Zinc Acetate, 4 gr., Corrosive Sub., 2-5 gr.	2 25
Sodium Salicylate Comp.	2 25	Per 100 in screw top bottles.	35
Sodi. Salicyl., 2 gr., Cerium Oxalate, 1 gr.		Per doz. bottles net.	2 75
Sodium Sulphite, 5 grs.	1 65	One of these Tablets dissolved in 4 ounces of water, makes a solution, the Corrosive Sublimite strength of which is about 1 to 5000.	
Sodium Sulphocarb., 2½ gr.	1 35		
Sore Mouth	1 50		
Potass. Chlorate, 2 gr., Tr. Myrrh., 4 min	11 25		
Sulphonal, 2 grs.	1 15		
Per 100			

Please specify FRASER'S in ordering or prescribing.

CHAS. TRUAX & CO. GREENE & CO.

CHAS. TRUAX, GREENE & CO'S POISON CASE,

Containing a list of Antidotes as selected by G. W. WEBSTER, M. D.



This is intended for emergency calls in cases of poisoning, and contains twenty-five well selected antidotes to poisons, a German siphon stomach tube, and a pamphlet (edited by Dr. Webster), containing a list of remedies in the case, their doses and administration, together with an alphabetically arranged list of poisons, their symptoms and treatment. The physician who has provided himself with one of these cases may not only be assisted in his diagnosis and the selection of an antidote, but he may save much valuable time by being enabled to promptly administer it.

(The front of this case is turned down, to allow a better view of its contents. They are made with solid fronts.)

PRICES.

No. 1.	Plain, cloth covered.....	\$5 00
No. 2.	Fine finish, leather covered.....	6 50
No. 3.	Same as No. 1, without stomach tube.....	3 50
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CHAS. TRUAX, GREENE & CO., 75 & 77 Wabash Ave., Chicago:



H. K. MULFORD COMPANY, Factor's Soluble Compound Tablets, Triturates, Hypodermics, Etc.

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NO. 12 GOLD ST.

WRITE FOR A COMPLETE PRICE LIST
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Advantages of Tablets over all forms of Medicaments:

- 1—**Solubility, Rapid Absorption.**—Our Compressed Powders or Pills are more quickly disintegrated and absorbed than coated or freshly made Pills.
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- 3—**Thorough Sub-division by trituration of medicinal ingredients,** whereby action is greatly increased and small doses are given with best results.
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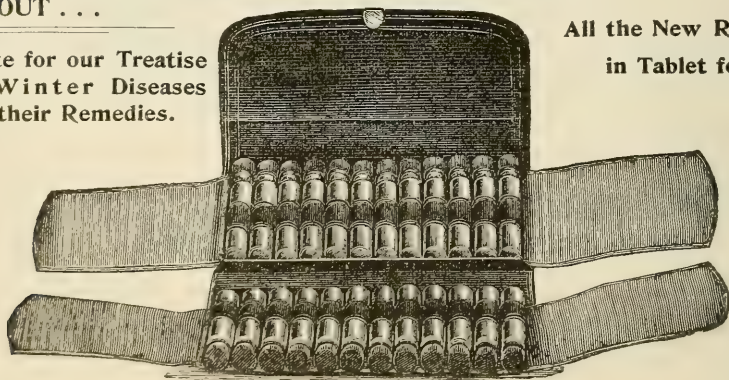
SPECIAL INTRODUCTORY OFFER

For \$3.00 we will furnish this Case with the following
Choice Selection of Tablets and Triturates . . .

JUST OUT . . .

Write for our Treatise
on Winter Diseases
and their Remedies.

All the New Remedies
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No. 2: SIZE, $7\frac{1}{8} \times 3\frac{3}{4} \times \frac{1}{8}$ INCHES.

Contains 24 2-drachm screw cap vials; soft flexible case; black morocco leather pocket for sundries; flat catch.

Acetanalide Comp. (Migraine.)
Anti-Constipation (Mulford Co.)
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Ammonii Chloridum Comp.
Bismuth et Cerei Oxalat.
Bronchitis.
Cathartic. "Active."
Diarrhoea.

Ergotine (Bonjean's) 1 grain.
Ferri et acid. Arsen. et Strych.
No. 1.
Fever, (Dr. T. G. Davis).
Hydrarg. Chlor. Mite et Ipecac
et Sodii Bicarb., No. 1.
Hydrarg. Iod. Viride. $\frac{1}{4}$ grain.
Morphine Sulphas. 1-6 grain.
Neuralgie (Dr. M. J. Kenyon).
Nitro-Glycerin Comp. (Mulford
Co.) Heart Tonic.

Pulv. Ipecac et Opii (U. S. P.),
representing $2\frac{1}{2}$ grains.
Tinct. Aconiti, 1 minim.
Tonsillitis (Mulford Co.)
Corros. Sublim., 1 grain (colored
blue) antiseptic.
Quininæ Sulphat. 1 grain.
Hydrarg. Chlor. Mite, 1-10 grain.
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With first order for our preparations amounting to \$25.00, we will credit the cost of case.
Write for Price List and Special \$50.00 office outfit.



MULFORD CO'S SOLUBLE COMPRESSED TABLET TRITURATES.

H. K. Mulford Company manufacture a full line of Soluble Tablets, Lozenges and Special Formulæ, lack of space prevents us from listing here.

Write for complete catalogue and prices.

Triturates are packed in screw cap bottles in 500 and 1,000.

Discount, 10 per cent.

	Per Bottle of 500	1000		Per Bottle of 500	1000
Acetanalide, $\frac{1}{2}$ gr.	\$0 45	\$0 80	Aloin Comp.	\$0 45	\$0 80
Acid Arsenious, 1-20, 1-30, 1-40, 1-50, 1-60, 1-100, and 1-200 grs	40	70	Aloin, 1-10, Ferri Redact, 1, Acid Arseniosi, 1-100, Strych. Sulph., 1-60 gr.		
Acid Arsenious et Ferri, No. 1 Acid Arseniosi, 1-100 gr., Ferri Quevenne's, 1 gr.	40	70	Aloin, Ferri et Strychninæ... Aloin, 1-10, Ferri Quevenne's, 1, Strychninæ, 1-60 gr.	45	80
Acid Arsenious et Ferri, No. 2 Acid Arseniosi, 1-60, Ferri Quevenne's, 1 gr.	40	70	Aloin et Podophyllin Aloin, $\frac{1}{2}$, Podophyllin, $\frac{1}{2}$ gr.	45	80
Acid Arsenious, Ferri et Strychninæ Acid Arseniosi, 1-60, Ferri Lactas, 1, Strychninæ, 1-100 gr.	45	80	Alumen et Bellad., (Dr. Starr) Alumen, 1, Tr. Bellad., $\frac{1}{2}$ min	50	90
Arsenici et Hydrarg, Iodidi (Donovan's Solution)..... See Hydrarg. et Arsenici Iodid.	60	1 10	Alumen et Belladonna Comp. Alumen, 1, Tr. Bellad., 1 min, Pulv. Ipecac, 1-10. gr.	60	1 00
Acid. Borici, 1-10, 1-5 and 1 gr	40	70	Ammonii Chloridum, 1-10, $\frac{1}{2}$ and 1 gr.	40	70
Acid. Carbolic, 1-10 gr.	40	70	Ammonii Chloridum Comp... Ammon. Chlor. $\frac{1}{4}$, Ext. Glycy. 1-10, Pulv. Cubeb $\frac{1}{2}$, Sodii. Chlorat., $\frac{1}{4}$ gr.	40	70
Acid. Tannici, 1 gr.	50	90	Ammonii Chlor. Comp. cum Codeinæ Same as above, with addition of Codeinæ, 1-25 gr.	75	1 40
Aconitinæ, Duquesnel's, 1-100 gr Aconitinæ, Duquesnel's, 1-200 gr Aconitinæ, Duquesnel's, 1-500 gr Aloin, $\frac{1}{2}$ gr. Aloin, $\frac{1}{4}$, 1-5 and 1-10 gr. Aloin, Belladonnæ et Nucis Vom. Aloin, 1-5, Ext. Belladonnæ, $\frac{1}{2}$, Ext. Nucis Vom., 1-6 gr. Aloin, Bellad. et Podophyl... Aloin, $\frac{1}{2}$, Ext. Bellad., $\frac{1}{2}$ gr Podophyl, $\frac{1}{2}$ gr. Aloin, Bellad. et Podophyl. et Nucis Vom Aloin, 1-10, Ext. Bellad., 1-10, Podophyl., 1-10, Ext. Nucis Vom., 1-10 gr. Aloin, Bellad. et Strychninæ. Aloin, 1-5, Ext. Bellad., $\frac{1}{2}$, Strychninæ, 1-60 gr. Aloin, Bellad. Stryc. et Ipecac Aloin, 1-5, Strych., 1-60, Ext. Bellad., $\frac{1}{2}$, Ipecac, 1-16 gr. Aloin Bellad., Strych., et Ext. Cascaræ Aloin, 1-5, Ext. Bellad., 1-8, Strych., 1-120, Ext. Cascaræ, $\frac{1}{2}$ gr.	2 50 4 50 1 25 2 25 80 55 40 45 45 50 45 45 50 50 60	1 50 1 00 70 2 25 1 50 1 00 80 80 90 80 90 80 90 1 10	Ext. Glycyr. Ammon. Chlor., $\frac{1}{4}$, Pulv. Cu- beeb, $\frac{1}{2}$, Ext. Glycyr., 1-10 gr. Ammon. Chlorid. et Hyoseyami Comp Ammon. Chlor. 1, Ext. Hy- oseyami, 1-6, Antim. Pot. Tart., 1-24 gr. Antifebrin, 1 gr. Antimon. et Potass. Tart., $\frac{1}{4}$, $\frac{1}{2}$, 1-10, 1-20, 1-50 and 1-100 gr Antipyrine, 1 gr. Apomorph. Hydrochlor. 1-10 gr Apomorph. Hydrochlor. 1-20 gr Arsenii Bromidum, 1-30, 1-60, 1-100 and 1-200 gr. Arsenii Iodidum, 1-20, 1-35, 1-50 1-100 and 1-200 gr. Arsenii et Hydrargyri Iodidi (Donovan's Solution), 1 gtt., 2 gtt. Arsenii et Hydrargyri Iodidi (Donovan's Solution), 3, 5 gtt	40 70 90 3 00 2 35 1 60 40 40 65 75	70 40 5 50 4 50 3 00 70 70 1 15 1 35



MULFORD CO'S SOLUBLE COMPRESSED TABLET TRITURATES.

Per Bottle of 500 1000			Per Bottle of 500 1000		
Arsenii, Ferri et Hydrargyri			Calcii et Ferri Phos.....	\$0 50	\$0 90
Iodidi.....	\$0 75	\$1 35	Calcii Phos., 1-10, Ferri Phos.		
Arsenii Iodid., 1-100, Ferri			1-10 gr.		
Iodid., $\frac{1}{2}$, Hydrarg. Bin.			Calcii Sulphidum, $\frac{1}{2}$, $\frac{1}{4}$, 1-10,		
Iodi., 1-24 gr.			1-20, 1-100 and 1-200 gr.,		
Arsenic Sulphide, 1-40, 1-60,			(Sugar-Coated).....	45	80
1-100 gr.....	40	70	Capsicum Comp.....	65	1 20
Atropinæ Sulphas, 1-50 gr....	65	1 15	Pulv. Capsic., 1-10, Tr. Nuc.		
Atropinæ Sulphas, 1-80 gr....	50	90	Vom. $\frac{1}{4}$, Pulv. Ipecac, 1-12 gr		
Atropinæ Sulphas, 1-100 gr....	50	90	Capsicum et Nuclei Vom.....	60	1 10
Atropinæ Sulphas, 1-200 and			Pulv. Capsicum, 1-10, Pulv.		
1-500 gr.....	40	70	Nuclei Vom., $\frac{1}{4}$ gr.		
Aurii et Sodii Chloride (see			Carbo. Anim., $\frac{1}{4}$, $\frac{1}{2}$ and 1 gr.	40	70
Gold and Soda).....			Carbo. Vegetable, $\frac{1}{4}$, 1, 2 gr.	40	70
Belladonnæ et Aconit.....	60	1 10	Carbo. Veg. et Nuclei Vom....	40	75
Tr. Belladonnæ, 1 min., Tr.			Carbo. Veg., 1-100, Nuclei		
Aconit Rad., 1 min.			Vom., 1-100 gr.		
Belladonnæ et Hydrarg. Chlor.			Cascara Comp. (Mulford Co.).	75	1 35
Corros.....	50	90	Ext. Cascaræ, $\frac{1}{2}$, Aloin, $\frac{1}{2}$,		
Ext. Belladonnæ, 1-10, Hy-			Podophyllin, 1-10, Ol. Menth.		
drarg. Chlor. Corros., 1-20			Pip., 1-10 gr.		
gr.			Cathartic. "Active".....	50	90
Beta-Naphthol, 1 gr.....	50	90	Aloin, Ext. Colo. Co., Ext.		
Bismuth Subcarb, 1 gr.....	70	1 25	Nuc. Vom., aa 1-10, Podo-		
Bismuth Subcarb, 2 grs.....	90	1 65	phyllin, 1-5, Ol. Tiglii, 1-15,		
Bismuth et Cereii Oxalat.....	1 00	1 85	Ol. Res. Cap. 1-120 gr.		
Bis. Subnit, 1, Cereii Oxalat,			Cathartic Comp. Imp., 1 gr....	60	1 10
$\frac{1}{2}$ gr.			Cathartic Comp. (U.S.P.), 1 gr	60	1 10
Bismuth et Hydrarg. Chlor.			Cathartic Comp. (Veg.), 1 gr.	60	1 10
Mit. Comp.....	1 00	1 85	Cereii Oxalat, $\frac{1}{2}$ and 1 gr....	60	90
Bis. Subnit, 1, Cereii Oxalat,			Cocaine Hydrochlor, 1-20 gr....	1 10	2 00
$\frac{1}{2}$, gr., Hydrarg. Chlor. Mit.,			Cocaine Hydrochlor, 1-10 gr....	1 75	3 00
1-40, Ipecac. Pulv., 1-10 gr.			Cocaine Hydrochlor, 1-5 gr....	2 85	5 50
Bismuth Subnit., 1 gr.....	70	1 25	Codeinæ, 1-20 gr.....	1 25	2 25
Bismuth Subnit, 2 grs.....	90	1 65	Codeinæ, $\frac{1}{2}$ gr....	2 50	3 50
Bronchitis.....	75	1 35	Codeinæ, $\frac{1}{4}$ gr.....	5 50	10 00
Tr. Aconitæ, 1-5 gtt., Tr.			Colchicine, 1-50, 1-100 gr.....	65	1 15
Bryonia, 1-10 gtt., Tr. Bella-			Conium Comp.....	50	90
donnæ, 1-10 gtt., Antimonii			Ext. Conii, 1-30, Ext. Cu-		
Sulphur, (Aur.) 1-100., Pot-			bebæ, 1-10, Ext. Glycyrrh,		
ass. Bichromat, 1-100 gr.			1-10 gr.		
Brown Mixture, representing			Conium Comp. cum Codeinæ..	1 50	2 75
1 teaspoonful.....	60	1 10	Ext. Conii, 1-20, Ext. Cu-		
Licorice Ext., 1-10, Camphor,			bebæ, $\frac{1}{2}$, Ext. Glycyrrh, $\frac{1}{2}$,		
1-25, Acid Benzoic, 1-25, Oil			Codeinæ, 1-20 gr.		
Anise, 1-25, Opium, 1-25,			Creasote (Beechwood), 1-10, $\frac{1}{4}$		
Tart. Emetic, 1-60 gr.			gr.....	40	70
Brown Mixture, representing			Creasote (Beechwood), $\frac{1}{2}$ gr.	60	1 10
$\frac{1}{2}$ teaspoonful.....	50	90	Cupri Arsenite, 1-60, 1-100, 1-500		
Brown Mixture Comp.....	75	1 35	grain.....	40	70
Ammon Chlor., 1 gr., Brown			Diarrhœa.....	75	1 35
Mixture, 1 teaspoon.			Pulv. Cretæ Comp. 1, Pulv.		
Caffeinæ Citras, $\frac{1}{2}$ gr.....	60	1 10	Acid Tannic, 1-20, Pulv. Opii,		
Caffeinæ Citras, 1 gr.....	1 10	2 00	1-40, Camphoræ, 1-40 gr.		
Caffeinæ Comp.....	1 50	2 75	Digitalin (Merck's), 1-500 gr	40	70
Caffeinæ Citrat., 1, Nitro-			Digitalin (Merck's), 1-200 gr	45	80
Glycerin., 1-200 gr., Ext.			Digitalin (Merck's), 1-100 gr.	50	90
Gelsemii Fld., $\frac{1}{2}$ gtt.			Digitalin (Merck's), 1-50 gr.	60	1 10



MULFORD CO'S SOLUBLE COMPRESSED TABLET TRITURATES.

	Per Bottle of 500	1000		Per Bottle of 500	1000
Dover's (see Pulv. Ipecac et Opii).			Ext. Cannab. Ind., $\frac{1}{4}$ gr.....	\$0 55	\$1 00
Elaterium (Clutterbuck's), $\frac{1}{8}$ gr.....	\$1 50	\$2 75	Ext. Cannab. Ind., $\frac{1}{8}$, 1-20 gr	50	90
Elaterium (Clutterbuck's), 1-16 gr.....	1 00	1 75	Ext. Cannabis et Codeinæ....	1 00	1 85
Ergotine (Bonjean's), $\frac{1}{4}$ gr..	65	1 20	Ext. Cannabis Ind., 1-10, Codeinæ, 1-20 gr		
Ergotine (Bonjean's), $\frac{1}{2}$ gr..	80	1 50	Ext. Cannabis et Zinci Phosp. Ext. Cannab., 1-10, Zinci Phosphid., 1-10 gr.	75	1 35
Ergotine (Bonjean's), 1 gr ...	1 00	1 85	Ext. Cascara Sagrada, 1 gr...	75	1 35
Euonymin (Resin), $\frac{1}{8}$ gr.....	40	70	Ext. Coloc. Comp., $\frac{1}{2}$ gr.....	50	90
Euonymin (Resin), $\frac{1}{4}$ gr.....	45	80	Ext. Ergot, 1-10 gr.....	45	80
Euonymin (Resin), $\frac{1}{2}$ gr.	50	90	Ext. Ergot, 1-6, $\frac{1}{4}$ gr.....	55	1 10
Euonymin Comp.....	75	1 35	Ext. Hyoscyami, $\frac{1}{4}$ gr.....	50	90
Euonymin, $\frac{1}{4}$, Ext. Bellad., $\frac{1}{8}$, Podophyllin, $\frac{1}{8}$, Aloin, $\frac{1}{8}$ gr.			Ext. Hyoscyami, $\frac{1}{2}$ gr.....	55	1 00
Ext. Bellad., $\frac{1}{8}$, 1-6 and $\frac{1}{4}$ gr	45	80	Ext. Ignatiæ Amar., $\frac{1}{4}$, $\frac{1}{8}$ gr	50	90
			Ext. Ignatiæ Amar., $\frac{1}{2}$ gr...	55	1 00
			Ext. Nuc. Vomicae, $\frac{1}{4}$, $\frac{1}{8}$ gr.	50	90
			Ext. Nuc. Vomicae, $\frac{1}{2}$ gr.....	55	1 00

TRITURATES REPRESENTING FLUID EXTRACTS.

	Per Bottle of 500	1000		Per Bottle of 500	1000
Ext. Aconiti, Fld., $\frac{1}{2}$ and 1 minim (Assayed).....	\$0 45	\$0 80	Ext. Yerba Santa, Fld., $\frac{1}{2}$ and 1 minim.....	\$0 50	\$0 90
Ext. Belladonnæ, Fld., $\frac{1}{2}$ and 1 minim (Assayed).....	50	90	Fellis Bovis Purif., 1 gr.....	40	70
Ext. Cannabis Ind., Fld., $\frac{1}{2}$ and 1 minim.....	65	1 20	Ferri Arsenias, $\frac{1}{4}$ gr.....	50	90
Ext. Cubebæ, Fld., $\frac{1}{2}$ minim.	50	90	Ferri Arsenias, $\frac{1}{2}$ and 1-16 gr.	45	80
Ext. Cubebæ, Fld., 1 minim..	70	1 35	Ferri et Acid. Arsen.....	40	70
Ext. Digitalis, Fld., $\frac{1}{4}$ and 1 minim.....	45	80	Ferri Quevennes, 1, Acid Arsen., 1-30 gr.		
Ext. Ergotæ, Fld., $\frac{1}{2}$ and 1 minim.....	50	90	Ferri et Acid Arsen. et Strych. No. 1.....	45	75
Ext. Erythroxyli, Fld., $\frac{1}{2}$ and 1 minim.....	50	90	Ferri Quevennes, 1, Acid Arsen., 1-100, Strychninæ, 1-60 gr.		
Ext. Eucalypti, Fld., $\frac{1}{2}$ and 1 minim.....	45	80	Ferri et Acid Arsen. et Strych., No. 2.....	45	75
Ext. Gentianæ, Fld., $\frac{1}{2}$, 1 and 2 minims.....	45	80	Ferri Quevennes, 1, Acid Arsen., 1-50, Strych. 1-60 gr		
Ext. Grindelæ, Rob. Fld., $\frac{1}{2}$ and 1 minim.....	45	80	Ferri et Hyd. Chlor. Corros. Co.....	45	75
Ext. Hyoscyami, Fld., $\frac{1}{2}$ and 1 minim.....	50	90	Iron by Hydrogen, 1, Corrosive Sublim., 1-60, Strychnia, 1-60, Arsen. Acid, 1-60 gr.		
Ext. Ipecac., Fld., $\frac{1}{2}$ minim.	50	90	Ferri Citrat. 1 gr.....	50	90
Ext. Ipecac., Fld., 1 minim..	75	1 35	Ferri Pyropos., 1 gr.....	50	90
Ext. Ipecac et Senegæ.....	85	1 50	Ferri Pyrophos. et Quin. et Strych.....	85	1 60
Fld. Ext. Ipecac, $\frac{1}{2}$ min., Fld. Ext. Senegæ, 1 min.			Ferri Pyrophos., 1, Quin. Sulph., $\frac{1}{2}$, Strychninæ Sulph., 1-120 gr.		
Ext. Krameria, Fld., $\frac{1}{2}$ and 1 minim.....	50	90	Ferri et Quin. et Acid Arsen.....	80	1 50
Ext. Krameria Comp.....	85	1 60	Ferri Quevennes, $\frac{1}{2}$, Quin. Sulph., $\frac{1}{2}$, Acid Arsen., 1-100 gr.		
Ext. Krameria Fld., $\frac{1}{2}$ min., Bismuthi Subnit, 1, Pulv. Opii, 1-20 gr.					
Ext. Pichi, Fld., $\frac{1}{2}$ and 1 min.	75	1 35			
Ext. Pilocarp, Fld., $\frac{1}{2}$ and 1 minim.....	50	90			



MULFORD CO'S SOLUBLE COMPRESSED TABLET TRITURATES.

	Per Bottle of 500	1000		Per Bottle of 500	1000
Ferri et Quin. et Acid Arsen.			Hydrarg. Chlor. Mite et Ipecac,	\$0 40	\$0 70
et Strych.....	\$0 80	\$1 50	Hyd. Chlor. Mit., $\frac{1}{8}$ Ipecac.		
Ferri Quevennes, $\frac{1}{2}$, Quin.			$\frac{1}{8}$ gr.		
Sulph., $\frac{1}{8}$ Acid Arsen., 1-100			Hydrarg. Chlor. Mite et Ipecac		
Strych., 1-120 gr.			et Sodii Bicarb., No. 1.....	40	70
Ferri et Quin. Citras, 1 gr....	80	1 50	Hyd. Chlor. Mit., 1-5, Ipecac,		
Ferri et Quin. Sulph.....	80	1 50	1-10, Sodii Bicarb., 1 gr.		
Ferri Quevennes, $\frac{1}{2}$, Quin.			Hydrarg. Chlor. Mite et Ipecac		
Sulph., $\frac{1}{2}$ gr.			et Sodii Bicarb., No. 2.....	40	70
Ferri et Quin. et Strych.....	80	1 50	Hyd. Chlor. Mit. $\frac{1}{2}$, Ipecac,		
Ferri Quevennes, $\frac{1}{2}$, Quin.			1-12, Sodii Bicarb. $\frac{1}{2}$ gr.		
Sulph., $\frac{1}{2}$, Strych. 1-120 gr.			Hydrarg. Chlor. Mite et Pulv.		
Ferri et Strych. Citras, 1 gr....	65	1 20	Ipecac et Opii.....	50	90
Ferri Lactat, 1 gr.....	50	90	Hyd. Chlor. Mit., $\frac{1}{4}$, Pulv.		
Ferri Redact, 1 gr.....	40	70	Ipecac et Opii, 1 gr.		
Fever.—Dr. T. G. Davis.....	75	1 35	Hydrarg. Chlor. Mite et Sodii		
Tr. Aconiti, 1-5 minim, Tr.			Bicarb.....	40	70
Bellad., 1-10 minim, Tr.			Hyd. Chlor. Mit., 1-10, Sodii		
Bryoniae $\frac{1}{2}$, 1-10 minim.			Bicarb., 1 gr.		
Fever.—Dr. H. J. Kenyon....	75	1 40	Hydrarg. Chlor. Mite et Sodii		
Tinct. Aconite, 1 minim,			Bicarb. Comp.....	50	90
Morph. Sulph., 1-20, Tartar			Hydrarg. Chlor. Mit., $\frac{1}{2}$,		
Emetic, 1-50, Ipecac, $\frac{1}{8}$ gr.			Sodii Bicarb., $\frac{1}{2}$ Podophyl-		
Gelsemin., 1-10 gr.....	80	1 50	lin, 1-12 gr.		
Gold and Sodium Chloride,			Hydrarg. Comp.....	50	90
1-24 gr.....	1 00	1 85	Mass Hydrarg., $\frac{1}{2}$, Opii, $\frac{1}{8}$,		
Gold and Sodium Chloride,			Ipecac, $\frac{1}{8}$ gr.		
1-16 gr.....	1 25	2 25	Hydrarg Comp., (Dr. Lopez).	50	90
Gold and Sodium Chloride,			Hydrarg. Chlor. Mit., $\frac{1}{8}$,		
1-12 gr.....	1 50	2 75	Sodii Bicarb., $\frac{1}{4}$, Pulv. Arom-		
Cold and Sodium Chloride			at, $\frac{1}{2}$, Pulv. Ipecac, 1-16 gr		
Comp.....	1 25	2 25	Hydrarg. cum. Cretæ, 1-10, 1-3		
Gold and Sodium Chloride,			and 1 gr.....	40	70
1-24, Powd. Opium, 1-12 gr..			Hydrarg. Iod. Rubrum, 1-16,		
Hepaticæ.....	60	1 10	1-20, 1-30, 1-50 and 1-100 gr.	40	70
Mass. Hydrarg., $\frac{1}{2}$, Ex. Coloc			Hydrarg. Iod. Rubrum Comp.	75	1 35
Co., $\frac{1}{2}$, Ex. Hyoseyam, $\frac{1}{8}$ gr,			Hydrarg. Iod. Rub. (Bin		
Hepaticæ—Dr. H. J. Kenyon.	50	90	Iodide) 1-16, Pulv. Ipecac,		
Euonymin, $\frac{1}{8}$, Podophyllin,			1-12, Pulv. Opii, 1-12 gr.		
1-20, Ipecac, $\frac{1}{8}$, Calomel, $\frac{1}{8}$,			Hydrarg. Iod. Viride, 1-20 and		
Aloin, 1-12 gr.			1.50 gr.....	40	70
Hydrarg. Chlor. Corros., 1 gr.			Hydrarg. Iod. Viride, 1-8, 1-10		
(Colored blue, Antiseptic)..	75	1 35	gr.....	40	70
Hydrarg. Chlor. Corros., 1-10,			Hydrarg. Iod. Viride, $\frac{1}{4}$, 1-5,		
1-12, 1-16, 1-20, 1-30, 1-40, 1-50,			1-6 gr.....	45	80
1-60, 1-100, 1-200 and 1-500 gr.	40	70	Hydrarg. Iod. Viride, $\frac{1}{2}$ and		
Hydrarg. Chlor. Mite., $\frac{1}{4}$, $\frac{1}{8}$,			$\frac{1}{8}$ gr.....	60	1 10
1-10, 1-20 and 1-50 gr.....	40	70	Hydrarg. Subsulph. Clavis, $\frac{1}{2}$		
Hydrarg. Chlor. Mite, $\frac{1}{2}$ gr..	45	80	1 gr.....	45	80
Hydrarg. Chlor. Mite, 1 gr...	50	90	Hydrast. Hydrochlor, (Lloyd),		
Hydrarg. Chlor. Mite, 2 grs..	60	1 10	$\frac{1}{8}$ gr.....	1 25	2 25
Hydrarg. Chlor. Mite. et Capsi-			Hyoseyamin. Sulphas, 1-100 gr	1 25	2 25
icum Comp. (Diarrhœa)...	75	1 35	Hyoseyamin. Sulphas, 1-200 gr	75	1 35
Hyd. Chlor. Mit., $\frac{1}{2}$, Morph.			Ipecac 1-100, 1-50, 1-20, 1-10 gr	50	90
Sulph., 1-16, Capsici Pulv.,			Ipecac, $\frac{1}{4}$ and $\frac{1}{2}$ gr.....	60	1 10
1-16, Ipecac Pulv. 1-32, Cam-			Kermes Mineral Comp., Dr. E.		
phoræ Pulv., 1-16, gr.			Wilson.....	65	1 20
			Antimony Sulphuret, 1-6, Ip-		
			ecac Pulv., 1-12 gr.		



MULFORD CO'S SOLUBLE COMPRESSED TABLET TRITURATES.

	Per Bottle of 500	1000		Per Bottle of 500	1000
Leptandrin (Resin), 1-8 and 1-16 gr.....	\$0 45	\$0 80	Nitro Glycerin (Trinitrin), 1-20, 1-25, 1-35, 1-50, 1-75, 1-100 and 1-200 gr.....	\$0 40	\$0 70
Leptandrin (Resin), $\frac{1}{4}$ gr....	60	1 10	Nitro-Glycerin Comp. (Mulford Co's).....	75	1 40
Leptandrin (Resin), $\frac{1}{2}$ gr....	65	1 20	Nitro-Glycerin, 1-100 gr., Tr. Digitalis, 2, Tr. Strophanthus, 2 min., Tr. Bellad., $\frac{1}{4}$ min.		
Lithii Carbonas, $\frac{1}{4}$ gr.....	55	1 00	Oleum Copaibæ, 1-10 min....	40	70
Lithii Carbonas, 1 gr.....	75	1 35	Oleum Erigerontis, 1-10 min..	40	70
Lithii Carb. et Sodii Arsen. .	80	1 50	Oleum Tigllii, 1-10 min.....	40	70
Lithii Carb. 1, Sodii Arseniat. 1-30 gr.			Opii et Cupri Sulph.....	1 00	1 75
Manganese Binoxide, $\frac{1}{4}$ and $\frac{1}{2}$ gr.....	80	1 50	Pulv. Opii, $\frac{1}{4}$, Cupri Sulph, 1-12, Pulv. Ipecac, 1-16 gr.		
Morphinæ Sulphas, $\frac{1}{2}$ gr....	2 25	4 25	Opii, Ipecac et Camphor.....	75	1 40
Morphinæ Sulphas, $\frac{3}{8}$ gr....	1 75	3 25	Pulv. Opii, $\frac{1}{2}$, Pulv. Ipecac, $\frac{1}{2}$, Pulv. Camphor, $\frac{1}{2}$ gr.		
Morphinæ Sulphas, $\frac{1}{4}$ gr....	1 50	2 85	Opii Pulv., $\frac{1}{2}$ gr.....	40	70
Morphinæ Sulphas, 1-6 gr....	1 10	2 00	Opii Pulv., $\frac{1}{4}$ gr.....	50	90
Morphinæ Sulphas, $\frac{1}{2}$ gr....	85	1 60	Opii Pulv., $\frac{1}{2}$ gr.....	65	1 20
Morphinæ Sulphas, 1-10.....	80	1 50	Opii et Plumbi Acetat.....	75	1 35
Morphinæ Sulphas, 1-20.....	60	1 10	Opii Pulv. $\frac{1}{4}$, Plumbi Acetat $\frac{1}{2}$ gr.		
Morphinæ Sulphas, 1-50.....	50	90	Paregoric, 5 minim.....	50	90
Morph. Sulph. et Aconiti.....	80	1 50	Acid Benzoic, Tartar Emetic, Pulv. Opium, Camphor, Oil Anise.		
Morph. Sulph., 1-32 gr., Tinct. Aconiti, 1 minim.			Paregoric, 10 minim.....	60	1 10
Morphinæ et Ant. Potass Tart. .	75	1 35	Paregoric Comp.....	75	1 35
Morphinæ Sulph., 1-50, Ant. et Potass Tart., 1-50, Ext. Glycyrrhizæ 1-10 gr.			Paregoric, 10 min., Squill, 1-25, Ipecac, 1-50 gr.		
Morph. Sulph., et Atropinæ Sulph. No. 1.....	1 50	2 85	Pepsin Isolat. (Mul. Co.), $\frac{1}{4}$ gr	75	1 35
Morph. Sulph., $\frac{1}{4}$, Atropinæ Sulph., 1-50 gr.			Pepsin Isolat. (Mul. Co.), $\frac{1}{2}$ gr	1 10	2 00
Morph. Sulph. et Atropinæ Sulph., No. 2.....	1 00	1 85	Pepsin Isolat. (Mul. Co.), 1 gr	1 60	3 09
Morph. Sulph., $\frac{1}{2}$, Atropinæ Sulph., 1-200 gr.			Pepsin Bismuth, Charcoal... 1 25	2 25	
Morph. Sulph., et Atropinæ Sulph., No. 3.....	1 35	2 50	Pepsin Isolat., $\frac{1}{4}$, Bismuth Subnit., $\frac{1}{2}$, Carbo Animalis, $\frac{1}{2}$ gr.		
Morph. Sulph., 1-6, Atropinæ Sulph., 1-800 gr.			Pepsin et Capsicum Comp.....	85	1 60
Morph. Sulph., et Ext. Bellad. 1 10	2 10		Pepsin Isolat., $\frac{1}{2}$, Ext. Nucis Vomica, 1-10, Capsicum, 1-10 Ipecac Pulv., 1-20 gr.		
Morph. Sulph., $\frac{1}{2}$, Ext. Bellad., $\frac{1}{4}$ gr.			Pepsin et Carbo Veg.....	85	1 60
Morphinæ Sulph. et Hydrarg. Chlor. Mit. Comp. (West Penn. Hos.).....	90	1 65	Pepsin Isolat., $\frac{1}{4}$, Carbo Veg. $\frac{1}{4}$ gr.		
Morphinæ Sulph., 1-12, Hydrarg. Chlor. Mit., 1-12, Sodii Bicarb., $\frac{1}{2}$ gr.			Pepsin et Nucis Vom.....	65	1 20
Morph. Sulph., et Rhei.....	90	1 65	Pepsin Isolat, 1-10, Tr. Nucis Vom., 1-10 min.		
Morph. Sulph., 1-12, Rhei Pulv., $\frac{1}{4}$ gr.			Pepsin Sacch., 1 gr.....	60	1 10
Neuralgic.....	1 00	1 85	Phenacetine, 1 gr.....	2 75	5 00
Quin. Sulph., $\frac{1}{2}$, Morph. Sulph., 1-80, Strych. Sulph., 1-120, Acid Arsen., 1-180, Ext. Aconiti, $\frac{1}{2}$ gr.			Pil. Hydrarg., $\frac{1}{4}$, $\frac{1}{2}$ and 1 gr	45	80
Neuralgic—Dr. H. J. Kenyon	1 10	2 00	Pilocarpinæ Hydrochlor. Cryst		
Zinci Phosphid, 1-16, Strych. 1-60, Ext. Cannab. Ind., $\frac{1}{2}$, Sodii Arsen., 1-20, Aconitinæ Duq., 1-400 gr.			Pilocarpinæ Hydrochlor., 1-5, 1-10, 1-20, 1-30 gr.....	40	70
			Podophyllin (Resin), 1-50 gr..		
			Podophyllin (Resia), 1-8, 1-10 and 1-20 gr.....	45	80
			Podophyllin (Resin), $\frac{1}{4}$ gr....	50	90
			Podophyllin (Resin), $\frac{1}{2}$ gr....	65	1 20



MULFORD CO'S SOLUBLE COMPRESSED TABLET TRITURATES.

	Per Bottle of 500	1000		Per Bottle of 500	1000
Podophyllin et Leptandrin...	\$0 75	\$1 35	Santoninum, $\frac{1}{4}$ gr.....	\$0 60	\$1 10
Podophyllin, $\frac{1}{8}$, Leptan-			Santoninum, $\frac{1}{2}$ gr.....	75	1 35
drin, $\frac{1}{4}$ gr.			Santonin et Hydrarg. Chlor.		
Potassii Arsenias, 1-20, 1-33,			Mite.....	65	1 20
1-50 and 1-100 gr., represent-			Santonin, $\frac{1}{4}$, Hyd. Chlor.		
ing 5, 3, 2 and 1 min., Fowl-			Mit., $\frac{1}{2}$ gr.		
er's Solution.....	40	70	Santonin et Hydrarg. Chlor.		
Pulv. Ipecac et Opii, (U.S.P.),			Mit., No. 2.....	50	90
representing $1\frac{1}{4}$ grs.....	50	90	Santonin, 1-10, Hyd. Chlor.		
Pulv. Ipecac et Opii, (U.S.P.),			Mit. 1-10, Sacch. Alb., $\frac{1}{2}$ gr.		
representing $2\frac{1}{2}$ grs.....	60	1 10	Santonin et Res. Podophyl...	65	1 20
Quin. Bi-Sulph., $\frac{1}{4}$ gr.....	45	80	Santonin, $\frac{1}{4}$, Res. Podophy-		
Quin. Sulph., $\frac{1}{4}$ gr.....	45	80	lin, 1-20 gr.		
Rhinitis.....	1 00	1 85	Sciatica.....	1 00	1 85
Camphoræ, $\frac{1}{4}$, Belladonnæ,			Tinct. Aconiti, $\frac{1}{4}$ min., Bel-		
$\frac{1}{8}$, Quininæ Sulph., $\frac{1}{4}$ gr.			ladonnæ, $\frac{1}{4}$ min., Colchici,		
Saccharin., $\frac{1}{4}$ gr.....	1 75	3 25	$\frac{1}{4}$ min., Cimicifugæ, $\frac{1}{4}$ min.,		
Saccharin., $\frac{1}{2}$, Sodii Bicarb.,			Podophyllin, 1-10.		
$\frac{1}{2}$ gr.			Sodii Arsenias, 1-10, 1-20, 1-60		
Salicinum, $\frac{1}{2}$ gr.....	50	90	and 1-100 gr.	40	70
Salol, 1 gr.....	75	1 50	Sodii Salicylat, 1 gr.....	1 00	1 85
Salol Comp.....	1 35	2 35	Sparteniæ Sulph., 1-20 gr....	75	1 35
Salol, 1, Bismuth Subnit, 1,			Sparteniæ Sulph., 1-10 gr....	1 50	2 75
Pulv. Opii, 1-40, Pulv. Cam-			Sparteniæ Sulph., 1-4 gr....	2 75	5 00
phor, 1-20, Ol. Menth Pip.,			Spongio, 1-10 and 1-100 gr....	75	1 35
1-40 gr.			Strychninæ Sulph., 1-20, 1-30		
Sanguinarin. Nitrat, 1-50,			1-40, 1-50, 1-60, 1-100, 1-120,		
1-100 gr.....	85	1 50	1-200 and 1-500 gr.....	40	70

TRITURATES REPRESENTING TINCTURES.

	Per Bottle of 500	1000		Per Bottle of 500	1000
Tinct. Aconiti, 1-4, 1-2, 3-4, 1			Tinct. Hydrastis, 1, 2 and 3		
and 2 minim.....	40	70	minim.....	40	70
Tinct. Aconiti et Belladonnæ.	50	90	Tinct. Hyoscyami, 1, 3 and 5		
Tinct. Aconiti, $\frac{1}{8}$ minim.			minim.....	45	80
Tinct. Belladonnæ, $\frac{1}{4}$ min.			Tinct. Kino, 1, 3 and 5 minim	40	70
Tinct. Belladonnæ, 1-2, 1, 2			Tinct. Nucis Vomica, 1, 2 and		
and 5 minim.....	45	80	3 minim. (Assayed).....	40	70
Tinct Bryoniæ, 1-2, 1, 2 and 5			Tinct. Opii (Laudanum), 2 and		
minim.....	40	70	3 minim.....	65	1 20
Tinct. Cannabis Indicæ, 1-2, 1			Tinct. Opii Camphorat. (Pare-		
and 2 minim.....	45	80	goric), 2 and 3 minim.....	40	70
Tinct. Capsici, 1, 5 and 10 min.	40	70	Tinct. Quassia, 3 and 5 min.	40	70
Tinct. Catechu, 1, 3 and 5 min.	40	70	Tinct. Sanguinaria 1, 3 and 5		
Tinct. Cinchonæ Comp., 1, 3			minim.....	40	70
and 5 minim.....	45	80	Tinct. Scillæ, 1, 2 and 3 minim	40	70
Tinct. Colchici, 1, 3 and 5 min.	40	70	Tinct. Senegæ, 1, 3 and 5 min	40	70
Tinct. Conium, $\frac{1}{4}$, $\frac{1}{2}$ and			Tinct. Strophanthus, 1 and 2		
1 minim.....	40	70	minim.....	45	80
Tinct. Conium Comp., $\frac{1}{2}$ and			Tinct. Strophanthus and		
1 minim.....	45	80	Digitalis.....	75	1 35
Tinct. Digitalis, $\frac{1}{2}$, 1, 2, 3 and			Tinct. Strophanthus, 2 min.		
5 minim.....	45	80	Tinct. Digitalis, 3 minim.		
Tinct. Ferri Chlor., 3 and			Tinct. Valerianæ, 2 and 3 min.	40	70
5 minim.....	60	1 00	Tinct. Veratrum Viridis, $\frac{1}{2}$, 1		
Tinct. Ferri Chlor., 10 minim.	75	1 35	and 2 minim.....	40	70
Tinct. Gelsemii, 1, 3 and 5 min.	40	70	Tinct. Zingiberis, 3 and 5 min.	40	70



MULFORD CO'S SOLUBLE COMPRESSED TABLET TRITURATES.

	Per Bottle of 500	1000
Tonsilitis (Mulford Co.).....	\$0 75	\$1 35
Tr. Aconiti, 1-5 gtt., Tr.		
Bryoniae, 1-10 gtt., Tr. Bella.		
1-10 gtt., Hydrarg. Iod.		
Rubri, 1-100 gr.		

Zinci Phosphidum, $\frac{1}{4}$, 1-6, 1-10,		
1-12 and 1-20 gr.....	60	1 10

	Per Bottle of 500	1000
Zinci Phosphid. et Ext. Nuc.		
Vom.....	\$0 75	\$1 35
Zinci Phosphid., 1-10, Ext.		
Nuc. Vom., $\frac{1}{4}$ gr.		
Zinci Sulpho-Carbolat, 1 gr...	50	90
Zinci Sulpho-Carbolat Comp.	75	1 35
Zinci Sulpho-Carb., 1, Pulv.		
Cretæ Aromat., 1, Pulv.		
Opii, 1-40 gr.		

We manufacture a full line of **Triturates made from Mother Tinctures.**

The Tinctures used in the preparation of these Triturates are standard.

N. Y. OFFICE: 12 GOLD ST.

H. K. MULFORD COMPANY, Philadelphia, Pa.

MULFORD CO'S SOLUBLE HYPODERMIC TABLETS.

Made from Best Materials and by Improved and Accurate Machinery.

The Advantages of our Hypodermic Tablets are:—*Their Perfect Solubility in Warm or Cold Water. No Change from Age. Ready for Instant Use. Do not Cause Local Irritation.*

Their portability and accuracy recommend them as superior to those made by other manufacturers. Hypodermics, as prepared by us, may equally as well be administered by the mouth.

A trial of these Tablets is earnestly solicited.

	Discount, 10 per cent.	In Tubes containing 20 tablets.	In Bottles of 100.
Aconitinæ, 1-120 gr.....	\$0 20	\$0 70	
Aconitinæ, 1-200 gr.....	15	50	
Apomorphinæ Hydro., $\frac{1}{8}$ gr..	25	1 00	
Apomorphinæ Hydro., 1-10 gr.	25	80	
Apomorphinæ Hydro., 1-20 gr.	20	60	
Atropinæ Sulphas., 1-100 gr..	15	40	
Atropinæ Sulphas., 1-150 gr..	12	30	
Atropinæ Sulphas., 1-200 gr..	12	30	
Caffeine, 1 gr.....	25	75	
Caffeine, $\frac{1}{2}$ gr.....	15	45	
Cocainæ Hydrochlor., $\frac{1}{2}$ gr....	40	1 30	
Cocainæ Hydrochlor., $\frac{1}{4}$ gr....	25	75	
Cocainæ Hydrochlor., $\frac{1}{8}$ gr....	20	60	
Cocaine Hydrochlor., 1-10 gr..	25	75	
Codeinæ Sulphas., $\frac{1}{4}$ gr.....	25	1 00	
Codeinæ Sulphas., $\frac{1}{8}$ gr.....	25	85	
Digitaline, 1-100 gr.....	12	30	
Duboisin. Hydrochlor., 1-60 gr.	25	1 00	
Duboisin. Hydro., 1-100 gr....	20	75	
Ergotinæ (Bonjean's), 1-10 gr.	20	65	
Eserinæ Sulphas., 1-80 gr....	25	85	
Eserinæ Sulphas., 1-100 gr....	20	75	
Hydrarg. Chlor. Corros., 1-30 gr.....	12	30	
Hydrarg. Chlor. Corros., 1-60 gr.....	12	30	
Hyoscine Hydrobromat, 1-50 gr.....	35	1 25	
Hyoscine Hydrobromat, 1-100 gr.....	25	80	
Hyoscyamæ Sulph., 1-60 gr....	25	1 00	
Hyoscyamæ Sulph., 1-100 gr....	20	80	
Morph. Bi-Meconas, 1-4 gr....	25	1 00	
Morph. Bi-Meconas, 1-6 gr....	20	65	
Morph. Bi-Meconas, 1-8 gr....	20	65	
Morph. Sulphas., 1-2 gr.....	20	65	

	Discount, 10 per cent.	In Tubes containing 20 tablets.	In Bottles of 100.
Morph. Sulphas., 1-3 gr.....	\$0 15	\$0 60	
Morph. Sulphas., 1-4 gr.....	15	50	
Morph. Sulphas., 1-6 gr.....	15	45	
Morph. Sulphas., 1-8 gr.....	15	40	
Morph. Sulphas., 1-12 gr.....	15	40	
Morph. Sulphas., $\frac{1}{2}$ gr.....	25	75	
Atrop. Sulphas., 1-100 gr.....	25	75	
Morph. Sulphas., $\frac{1}{8}$ gr.....	20	60	
Atrop. Sulphas., 1-120 gr.....	20	60	
Morph. Sulphas., $\frac{1}{4}$ gr.....	18	50	
Atrop. Sulphas., 1-150 gr.....	18	50	
Morph. Sulphas., 1-6 gr.....	15	50	
Atrop. Sulphas., 1-180 gr.....	15	50	
Morph. Sulphas., $\frac{1}{2}$ gr.....	15	45	
Atrop. Sulphas., 1-200 gr.....	15	45	
Morph. Sulphas., 1-12 gr.....	15	40	
Atrop. Sulphas., 1-250 gr.....	15	40	
Nitro-Glycerine, 1-150 gr.....	15	50	
Nitro-Glycerine, 1-100 gr.....	15	40	
Nitro-Glycerine, 1-50 gr.....	15	40	
Pilocarpinæ Mur., $\frac{1}{2}$ gr.....	1 50	6 00	
Pilocarpinæ Mur., $\frac{1}{8}$ gr.....	90	3 50	
Pilocarpinæ Mur., $\frac{1}{4}$ gr.....	75	3 00	
Pilocarpinæ Mur., $\frac{1}{2}$ gr.....	50	2 00	
Pilocarpinæ Mur., 1-10 gr.....	45	1 70	
Pilocarpinæ Mur., 1-20 gr.....	35	1 20	
Picrotoxini, 1-40 gr.....	25	75	
Picrotoxini, 1-60 gr.....	20	60	
Physostygminae Salicylas, 1-60 gr.....	15	50	
Quin. Carbam. Mur., 1 gr....	20	80	
Sparteinae Sulphas., 1-30 gr....	15	40	
Sparteinae Sulphas., 1-60 gr....	15	40	
Strych. Sulphas., 1-60 gr.....	12	30	
Strych. Sulphas., 1-100 gr....	12	30	
Strych. Sulphas., 1-150 gr....	12	30	



UPJOHN'S FRIABLE PILLS AND GRANULES.

When in 1886 we introduced our line of Friable Pills to the medical profession, they were regarded as a peculiarly favorable innovation, and it was prophesied that they would soon supersede the old mass pills. This prophecy has in a measure been fulfilled by our experience, as we are to-day, we believe, making more pills than any other manufacturer.

This growth of business is due more to quality and peculiar manner of making our pills than to special push and energy in introduction.

The friable condition has been shown by experience to be peculiarly adapted to the requirements of trade, as the pills do not become hard and less soluble by age.

In the following notes some of the distinguishing points of difference in condition of friable goods and mass goods are pointed out in detail.

By examining the physical condition of our goods, it will be observed that most of them can readily be crushed and reduced to a powder by pressure under the thumb; showing a friable condition not found in pills of other make.

This distinguishing feature of our goods is permanent, and as they are all made without excipient or pressure, the process employed leaves the pill in a dry, powdery and porous condition, which does not harden by age, and insures their rapid disintegration by the digestive juices; leaving the drug in the same condition for absorption as when administered in powdered form.

In some instances it is impossible, from the inherent quality of the drug, to make a pill that is friable. In others, it is advisable to make them hard to lessen gastric irritation produced by too rapid solution of a pill containing irritating materials.

The pill coating is an important feature that should engage the attention and careful inspection of every pharmacist and physician; therefore we take the liberty of presenting a few points on that subject.

In coating Mass pills, it is necessary in order to retain sufficient moisture to keep the mass soft, even for a short time, to use some impervious sub-coating. This is accomplished by using some insoluble material (frequently shellac) as a sub-coat, and afterward coating in the regular way with sugar or gelatin.

It will be readily understood that while this does not prevent the pill from drying out and becoming hard after a little time, it does materially retard its solution and frequently prevents it entirely.

In view of these facts it appears to us that by doing away with the mass entirely and using no excipient, the presence of moisture in the pill is rendered unnecessary, as the dry powdered drugs will not harden as when mixed with some gummy excipient. Thus the necessity of an impervious and insoluble coat is obviated, and we are enabled to use a coating that is simply protective to the dry drug inside and conceals the taste, but dissolves immediately when taken into the stomach.

We have experimented a long time to produce a pill coating possessing these desirable features and combining the advantages of both gelatin and sugar; we feel that we have succeeded and that our efforts will elicit your approval. It will be noted that the coating is nearly as thin as gelatin and by allowing one to dissolve in the mouth, the solubility of the coating may readily be demonstrated. Having somewhat the appearance, and a finish superior to that of gelatin goods, they would ordinarily be pronounced such.

In fixing prices upon our goods, we give the purchaser the lowest prices consistent with the use of the best material procurable and the full quantity indicated in the formula. The greatest precaution is observed and care taken, in the selection and test of quality of drugs used, and in the methods employed. We are aiming to secure an enviable reputation for our products. Having this object in view, we shall give our undivided attention to the exclusive manufacture of a complete line of Pills and Granules of a superior quality, making no effort to compete with parties offering manufactured goods for less than cost of good quality of crude material.

Much has been said by our competitors from time to time regarding the accuracy of subdivision in pill making, and some ridiculously absurd attempts have been made



UPJOHN'S FRIABLE PILLS AND GRANULES.

at an exposition of the methods adopted by us in our laboratory. Without entering into details more fully we simply state that our methods of manufacture admit of more accurate subdivision than any other methods in use; in fact, the subdivision is mathematically exact. We invite critical comparative tests and believe that physicians and pharmacists who are best qualified to decide this matter for themselves will have no reason to discriminate against us.

Commending our products to the kindly consideration of the medical profession and the trade, we are, Very truly your friends, The Upjohn Pill & Granule Co.

Discount, 25 per cent.									
Per bottle of 100 500 1000					Per bottle of 100 500 1000				
Acetanilid, $\frac{1}{4}$ gr.....	\$0 20	\$0 60	\$1 00		Ext. Nux Vom., $\frac{1}{2}$ gr				
Acetanilid, $2\frac{1}{2}$ gr.....	25 1 10	2 00			Ext. Belladonna, $\frac{1}{2}$ gr.				
Acetanilid, 4 gr.....	40 1 85				Aloin, 1-10 gr.....	\$0 20	\$0 60	\$1 00	
Acetanilid, 5 gr.....	45 2 00				Aloin, 1-5 gr.....	25 1 10	2 00		
Acid, Arsenious, 1-100,					Aloin, $\frac{1}{2}$ gr.....	35 1 60	3 00		
1-60, 1-50, 1-40, 1-32,					Aloin Compound.....	30 1 35			
1-30, 1-20, 1-16, 1-12 gr.	20 60 1 00				Aloin, $\frac{1}{8}$ gr.				
Aconite Root, $\frac{1}{2}$ gr.,	20 80 1 50				Res. Podophyl., $\frac{1}{8}$ gr.				
Aconite Root, 1-20 gr...	20 60 1 00				Ext. Belladonna, $\frac{1}{4}$ gr.				
Aconite Root, 1-10 gr...	20 60 1 00				Aloin Comp. and Strychnine.				
Aconitin, 1-200, 1-500 gr.	25 1 10				(See Anti-Con-				
Aconitine (Cryst.) 1-200 gr	25 1 10				stipation, Upjohn.)				
Aconitine (Cryst.) 1-500 gr	25 1 10				Aloin and Strych., $\frac{1}{4}$ gr.	35 1 50	2 75		
Aloes, U. S. P., 2 gr.....	20 85 1 50				Aloin, 1-5 gr.				
Purified Aloes, 1 gr.					Strychnine, 1-60 gr.				
Soap, 1 gr.					Aloin, Strychnine and				
Aloes, U. S. P., 3 gr....	25 1 10 2 00				Bellad., 1st form ..	35 1 50	2 75		
Purified Aloes, $1\frac{1}{2}$ gr.					Aloin, 1-5 gr.				
Soap, $1\frac{1}{2}$ gr.					Strychnine, 1-120 gr.				
Aloes, and Asafetida,					Ext. Belladonna, $\frac{1}{8}$ gr.				
U. S. P.....	25 1 10				Aloin, Strychnine and				
Purified Aloes, $1\frac{1}{2}$ gr.					Belladonna, 2d form.	35 1 50	2 75		
Po. Asafetida, $1\frac{1}{2}$ gr.					Aloin, 1-5 gr.				
Po. Soap, $1\frac{1}{2}$ gr.					Strychnine, 1-60 gr,				
Aloes and Iron, $2\frac{1}{2}$ gr.	25 1 10 2 00				Ext. Belladonna, $\frac{1}{2}$ gr.				
Purified Aloes, 1 gr.					Aloin, Strychnine, Bel-				
Dried Iron, 1 gr.					ladonna and Calo-				
Aromatic Powd., $\frac{1}{2}$ gr					mel.....	40 1 85			
Aloes and Mastich,					Aloin, 1-5 gr.				
U.S.P.....	25 1 10				Sulph. Strych., 1-40 gr.				
Aloes and Myrrh, 2 gr..	20 80 1 50				Ext. Belladonna, $\frac{1}{2}$ gr.				
Purified Aloes, $1\frac{1}{4}$ gr.					Calomel, 1-5 gr.				
Myrrh, $\frac{3}{4}$ gr.					Aloin, Strychnine and				
Aromatic Oils.					Belladonna, with				
Aloes and Myrrh, $3\frac{1}{2}$ gr	25 1 10 2 00				Cascara	55 2 60	5 00		
Purified Aloes, 2 gr.					Aloin, 1-5 gr.				
Myrrh, 1 gr.					Strychnine, 1-60 gr.				
Aromatic Oils.					Ext. Belladonna, $\frac{1}{2}$ gr				
Aloes and Nux Vomica.	30 1 25				Ext. Cascara, 1 gr.				
Po. Aloes Soc. $1\frac{1}{2}$ gr.					Aloin, Strychnine and				
Ext. Nux. Vom., $\frac{1}{2}$ gr.					Belladonna Comp..	50 2 25			
Aloes, Nux Vomica and					Aloin, 1-5 gr.				
Belladonna, $1\frac{1}{2}$ gr.	20 80 1 50				Strychnine, 1-60 gr.				
Aloes, $\frac{3}{4}$ gr.					Ext. Belladonna, $\frac{1}{2}$ gr				
Ext. Nux Vom., $\frac{1}{4}$ gr.					Ext. Cascara, $\frac{1}{2}$ gr.				
Ext. Bellad., 1-16 gr.					Aloin, Strychnine and				
Aloes, Nux Vomica and					Belladonna, with				
Belladonna, $2\frac{1}{4}$ gr.	35 1 60 3 00				Ipecac, (Pill Lapactic)	35 1 50	2 75		
Purified Aloes, $1\frac{1}{2}$ gr.					Aloin, $\frac{1}{4}$ gr.				



UPJOHN'S FRIABLE PILLS AND GRANULES.

	Per bottle of 100	500	1000		Per bottle of 100	500	1000
Strychnine, 1-60 gr.				Ext. Nux Vom., 1-16 gr.			
Ext. Belladonna, $\frac{1}{8}$ gr				Ext. Henbane, 1-16 gr.			
Powd. Ipecac, 1-16 gr.				Powd. Capsic., 1-16 gr.			
Alternative, $1\frac{1}{4}$ gr.....	\$0 25	\$1 10	\$2 00	Anti-Constipation (Upjohn's), $\frac{1}{2}$ gr.....	\$0 40	\$1 75	\$3 00
Blue Mass, 1 gr.				Aloin, $\frac{1}{2}$ gr.			
Powd. Ipecac, $\frac{1}{2}$ gr.				Podophyllin, $\frac{1}{8}$ gr.			
Powd. Opium, $\frac{1}{8}$ gr.				Ext. Belladonna, $\frac{1}{8}$ gr.			
Alternative, Cathartic (Upjohn's), 2 grs...	25	1 10	2 00	Strychnine, 1-80 gr.			
Purified Aloes, 1 gr.				Oleores. Capsic., 1-10 gr.			
Powd. Gamboge, 1-6 gr.				Anti-Constipation, without Strychnine (Upjohn's).....	40	1 75	3 00
Powd. Soap, 1-6 gr.				Aloin, $\frac{1}{8}$ gr.			
Blue Mass, $\frac{1}{2}$ gr.				Podophyllin, $\frac{1}{8}$ gr.			
Podophyllin, 1-16 gr.				Ext. Belladonna, $\frac{1}{8}$ gr.			
Powd. Capsic., 1-16 gr.				Oleo. Capsic., 1-10 gr.			
Ammon. Chlor., 1-10 gr.	20	60	1 00	Anti-Constipation, (Brundage's).....	40	1 85	3 60
Ammonium Chlor, $\frac{1}{4}$ gr.	20	60	1 00	Podophyllin, 1-10 gr.			
Anderson's (Scots')	25	1 10	2 00	Ext. Nux. Vom., $\frac{1}{4}$ gr.			
Aloes Soc., 1 3-5 gr.				Powd. Capsic., $\frac{1}{4}$ gr.			
Po. Colocynth, 4-15 gr.				Ext. Bellad., 1-10 gr.			
Ol. Anise, 1-30 gr.				Ext. Hyoscyam, $\frac{1}{4}$ gr.			
Po. Soap, 1-15 gr.				Anti-Constipation, (Palmer's), $2\frac{1}{2}$ grs.	35	1 60	3 00
Po. Gamboge, 1-15 gr.				Purified Aloes, 1 gr.			
Anodyne, $\frac{1}{4}$ gr.....	20	60	1 00	Ext. Henbane, 1 gr.			
Camphor, $\frac{1}{8}$ gr.				Ext. Nux. Vom., $\frac{1}{8}$ gr.			
Ext. Henbane, $\frac{1}{8}$ gr.				Pow. Ipecac, 1-10 gr.			
Morphine, 1-160 gr.				Anti-Dyspeptic, (Fothergill's).....	20	80	1 50
Oleo. Capsic., 1-160 gr.				See Carminative.			
Anodyne, $1\frac{1}{2}$ gr.....	30	1 25	2 40	Antidyspeptic.....	35	1 60	
Camphor, $\frac{1}{2}$ gr.				Strychnine, 1-40 gr.			
Ext. Henbane, $\frac{1}{2}$ gr.				Ext. Bellad., 1-10 gr.			
Morphine, 1-40 gr.				Po. Ipecac, 1-10 gr.			
Oleores. Capsic., 1-40 gr.				Blue Mass, 2 grs.			
Anthelmintic, 1 gr.....	30	1 35	2 50	Po. Ext. Coloc. Comp., 2 grs.			
Santonin, $\frac{1}{2}$ gr.				Anti-Malarial, (McCaw's) 60	2 75		
Calomel, $\frac{1}{2}$ gr.				Quinine, 1 gr.			
Anti-Bilious.....	40	1 85	3 50	Iron Sulph., $\frac{1}{4}$ gr.			
Ext. Coloc. Comp., $2\frac{1}{2}$ gr.				Gelsem., $\frac{1}{4}$ gr.			
Res. Podophyl., $\frac{1}{4}$ gr				Arsenious Acid, 1-80 gr.			
Anti-Bilious (Heineman) 50	2 35			Podophyllin, $\frac{1}{8}$ gr.			
Blue Mass, 1 gr.				Oil Blk. Pepper, 1-16 gr.			
Podophyllin, $\frac{1}{2}$ gr.				Antimony Comp. (U.S.P.) 25	1 10		
Physostig., 1-16 gr.				Antim. Oxysulph., $\frac{1}{2}$ gr.			
Ext. Colyc. Co., 1 gr.				Calomel, $\frac{1}{2}$ gr.			
Ext. Henbane, $\frac{1}{4}$ gr.				Pulv. Res. Guaiac, 1 gr			
Anti-Chill, $\frac{1}{4}$ gr.....	20	60	1 00	Anti-Periodic.....	45	2 10	4 00
Chinoidin, 1-16 gr.				Cinchonid. Sulph., 1 gr.			
Iron Ferroc., $\frac{1}{4}$ gr.				Ferri Sulph., exsic., $\frac{1}{2}$ gr.			
Arsen. Acid, 1-320 gr.				Res. Podophyl., 1-20 gr.			
Oil Blk Pepper, 1-16 gr				Gelsemperin, 1-20 gr.			
Anti-Chill, 4 gr.....	40	1 85	3 50	Strych. Sulph., 1-32 gr.			
Chinoidin, 1 gr.				Oleores. Capsic., 1-10 gr.			
Iron Ferroc., 2 gr.							
Arsenious Acid, 1-20 gr.							
Oil Black Pepper, 1 gr.							
Anti-Constipation, $\frac{1}{4}$ gr	20	60	1 00				
Podophyllin, 1-40 gr.							
Ext. Bellad., 1-40 gr.							



UPJOHN'S FRIABLE PILLS AND GRANULES.

	Per bottle of					Per bottle of			
	100	500	1000			100	500	1000	
Anti-Pyretic.....	\$0 35	\$1 60			Atrop. Sulph., 1-250 gr.				
Quinine Sulph., 1¼ gr.					Morph. Sulph., 1-12 gr.				
Acetanilid, 1¼ grs.					Atrop. and Morph, No. 5	\$0 50	\$2 35	\$0 50	
Powd. Camphor, ½ gr.					Atrop. Sulph., 1-180 gr				
Aperient.....	50	2 35	\$4 50		Morph. Sulph., 1-6 gr.				
Ext. Nux. Vom., ½ gr.					Atrop. and Morph, No. 6	60	2 75	5 35	
Ext. Hyoseyam., ½ gr.					Atrop. Sulph., 1-150 gr.				
Ext. Coloc. Comp., 2 grs.					Morph. Sulph., 1-4 gr.				
Aperient No. 2, 4 gr....	40	1 85			Atrop. and Morph. No. 7	45	2 00	3 75	
Ext. Coloc. Comp., 1 gr.					Atrop. Sulph., 1-250 gr				
Jalap, ½ gr.					Morph. Sulph., 1-8 gr.				
Ext. Aloes, 2 grs.					Ballou.....	45	2 10	4 00	
Soap.					Ext. Coloc. Comp., 1 gr.				
Oleores. Ginger.					Ext. Jalap, 1 gr.				
Aperient No. 3, 4 gr....	40	1 85			Calomel, 1 gr.				
Ext. Coloc. Comp., 1 gr.					Ipecac, 1-8 gr.				
Jalap, ½ gr.					Belladonna Ext., 1-4 gr.	25	1 10	2 00	
Ext. Aloes, 2 gr.					Belladonna Ext., 1-2 gr.	30	1 35		
Soap.					Bellad. Leaves, 1-20 gr.	20	60	1 00	
Oleores. Ginger.					Bellad. Leaves, 1-4 gr.	20	60	1 00	
Calomel, ½ gr.					Berb. and Podophyl. ¼ gr	50	2 35	4 50	
Aperient, (Drysdale)...	35	1 60			Berb., Sulph., 1-4 gr.				
Pulv. Rhubarb, 1¼ gr.					Podophyllin, 1-20 gr.				
Pulv. Ipecac, 5-12 gr.					Bism., Subcarbon., 3 gr.	55	2 60		
Pulv. Aloes Soc., 1¼ gr.					Bismuth, Subnit., 3 gr.,	45	2 10		
Pulv. Nux Vom., ¼ gr.					Blue Mass, 1-2 gr.....	20	75	1 25	
Aphrodisiac, 2½ grs....	1 00	4 75	9 00		Blue Mass, 1 gr., 2 gr..	20	80	1 50	
Ext. Damiana, 2 gr.					Blue Mass, 3 gr.....	20	85	1 60	
Ext. Nux Vom., ½ gr.					Blue Mass, 5 gr.....	25	1 10	2 00	
Zinc Phosphide, 1-10 gr.					Blue Mass Comp.....	45	2 10		
Arsenious Acid. (See					Blue Mass, 1 gr.				
Acid Arsenious.					Pulv. Opium, 1-2 gr.				
Asafetida, 1 gr., 2 gr., 3 gr.	20	80	1 50		Pulv. Ipecac, 1-4 gr.				
Asafetida, 4 grs.....	25	1 10	2 00		Caffeine Citrate, 1 gr..	1 00	4 00		
Asafetida, 5 grs.....	35	1 35			Calcium Sulphide, 1-20 gr	20	60	1 00	
Asafetida, U.S.P., 2 grs.	20	85	1 60		Calcium Sulphide, 1-10 gr	20	60	1 00	
Asafetida, U.S.P., 3 grs.	20	85	1 60		Calc. Sulph., ¼ gr. ½ gr.	25	1 10	2 00	
Asafetida and Henbane,					Calcium Sulphide, 1 gr.	30	1 35	2 60	
2½ grs.....	35	1 60	3 10		Calcium Sulphide, 2 gr.	40	1 85	3 50	
Asafetida, 2 grs.					Calomel, 1-20, 1-10 gr.,	20	60	1 00	
Ext. Henbane, 1½ gr.					Calomel, 1-16, ½, ¼ gr.,	20	60	1 00	
Asafetida and Iron, 3 grs.	25	1 10	2 00		Calomel, ½, 1 gr.....	20	85	1 50	
Asafetida, 2 grs.					Calomel, 2 gr., 3 gr.....	25	1 10	2 00	
Iron Sulph., exs., 1 gr.					Calomel, 5 gr.....	30	1 35	2 50	
Asafetida and Nux Vom-					Calomel Comp.....	30	1 35		
ica, 3½ grs.....	35	1 60	3 00		Calomel, ¾ gr.				
Asafetida, 3 grs,					Res. Guaiac, 1½ gr.				
Ext. Nux Vom., ¼ gr.					Sulphurated Anti-				
Asafetida and Rhubarb.	40	1 85			mony ¼ gr.				
Asafetida, 1 gr.					Calomel and Ipecac....	20	60	1 00	
Pulv. Rhubarb, 1 gr.					Calomel, ¼ gr.				
Iron Reduced, 1 gr.					Ipecac, 1-16 gr.				
Atropine Sulph., 1-500 gr	20	60	1 00		Calomel and Opium....	25	1 10	2 00	
Atropine Sulph., 1-200 gr	20	60	1 00		Calomel, 1½ gr.				
Atropine Sulph., 1-60 gr	40	1 85			Opium, ½ gr.				
Atropine Sulph., 1-100 gr	30	1 35	2 60		Calomel and Rhubarb..	40	1 85		
Atropine Sulph., 1-150 gr	30	1 35	2 60		Calomel, ½ gr.				
Atrop. and Morph. No. 4	40	1 75	3 50		Ext. Rhubarb, ½ gr.				



UPJOHN'S FRIABLE PILLS AND GRANULES.

	Per bottle of					Per bottle of			
	100	500	1000			100	500	1000	
Ext. Coloc. Comp. $\frac{1}{2}$ gr.					Ext. Nux. Vom., 1-32 gr.				
Ext. Henbane, 1-6 gr.					Ext. Bellad., 1-32 gr.				
Camphor, 1-20 gr.	\$0 20	\$0 60	\$1 00		Ol. Tiglii, 1-60 gr.				
Camphor, Monobromat-					Cathartic Comp. (Cho-				
ed, 3 gr.	1 00	4 85			logue).....	\$0 30	\$1 35		
Camphor, Monobromat-					Res. Podophyllin, $\frac{1}{2}$ gr.				
ed, 2 gr.	75	3 60			Blue Mass, $\frac{1}{4}$ gr.				
Camphor and Opium, 3gr	55	2 60			Ext. Henbane, $\frac{1}{8}$ gr.				
Camphor, 2 gr.					Ext. Nux Vom., 1-16 gr.				
Powd. Opium, 1 gr.					Oleo. Capsicum, $\frac{1}{8}$ g.				
Camphor and Opium,					Cathartic Comp. Gran-				
$\frac{1}{2}$ gr.	30	1 35	2 60		ules $\frac{3}{4}$ gr.	25	1 10	\$2 00	
Camphor, 1 gr.					Jalapin, 1-16 gr.				
Opium, $\frac{1}{2}$ gr.					Leptandrin, 1-16 gr.				
Camphor, Opium and					Aloin, $\frac{1}{8}$ gr.				
Henbane 45	2 10				Podophyllin, $\frac{1}{4}$ gr.				
Camphor, 1 gr.					Pow. Gamboge, 1-32 gr				
Opium, $\frac{1}{2}$ gr.					Pow. Capsicum, 1-64 gr.				
Henbane, 1 gr.					Ext. Henbane, $\frac{1}{8}$ gr.				
Camphor, Opium and					Oil Peppermint, q. s				
Tannin..... 40	1 85				Cathartic Comp. Imp.,				
Camphor, 1 gr.					$\frac{1}{4}$ gr.	20	60	1 00	
Opium, $\frac{1}{4}$ gr.					Ext. Colocynth Comp.				
Tannin, 2 gr.					Resin Jalap.				
Camphor, Opium and					Podophyllin.				
Lead Acet. 50	2 35				Leptandrin.				
Camphor, 1 gr.					Ext. Henbane.				
Opium, 1 gr.					Oil Peppermint.				
Lead Acet., 1 gr.					Cathartic Comp. Imp.,				
Cannabis Ind. Ext., $\frac{1}{4}$ gr	35	1 60			$\frac{1}{2}$ gr.	20	60		
Cannabis Ind. Ext., $\frac{1}{2}$ gr	60	2 85			Cathartic Comp. Imp.,				
Cannabis Ind. Ext., 1 gr.	95	4 60			$\frac{1}{2}$ size.....	20	60		
Cantharides, 1-50 gr...	20	60	1 00		Cathartic Comp. Imp.,				
Capsicum, 1-20 gr.	20	60	1 00		$2\frac{1}{2}$ gr.	30	1 35		
Capsicum, 1 gr. 30	1 35				Ext. Coloc Comp., 1 gr.				
Carminative, (Fother-					Ext. Jalap, $\frac{1}{2}$ gr.				
gill's) $1\frac{1}{2}$ gr. 20	80	1 50			Leptandrin, $\frac{1}{4}$ gr.				
Strychnine, 1-40 gr.					Ext. Henbane, $\frac{1}{4}$ gr.				
Powd. Ipecac, $\frac{1}{8}$ gr.					Res. Podophyll., $\frac{1}{4}$ gr.				
Powd. Blk Pepper, $\frac{1}{2}$ gr					Aromatic Oils, 1-20 gr.				
Powd. Gentian, $\frac{1}{2}$ gr.					Cathartic Comp. U. S. P.,				
Oleores. Black Pepper.					$\frac{1}{4}$ gr.	20	60	1 00	
Cascara Sagrada, Ext.,					Cathartic Comp., U. S.				
1 gr. 30	1 25	2 25			P., $\frac{1}{2}$ gr.	20	60		
Cascara Sagrada, Ext.,					Cathartic Comp., U. S.				
2 gr. 40	1 85	3 60			P., $\frac{1}{2}$ size.....	20	60		
Cascara Sagrada, Ext.,					Cathartic Comp., U. S.				
3 gr. 50	2 25	4 50			P $3\frac{1}{2}$ gr.	30	1 35		
Cascara Nux and Bella-					Ext. Coloc, Comp., 1				
donna 60	2 85				3-10 gr.				
Ext. Cascara Sagra-					Ext. Jalap, 1 gr.				
da. 2 gr.					Calomel, 1 gr.				
Ext. Nux. Vom., $\frac{1}{8}$ gr.					Powd. Gamboge, $\frac{1}{4}$ gr.				
Ext. Bellad., 1-16 gr.					Cathartic Granules, $\frac{1}{2}$ gr	20	60	1 00	
Cathartic, $\frac{1}{4}$ gr. 20	60	1 00			Aloin.				
Podophyllin, 1-12 gr.					Podophyllin.				
Aloin, 1-20 gr.					Jalapin.				
Capsicum, 1-40 gr.					Res. Scammony.				



UPJOHN'S FRIABLE PILLS AND GRANULES.

Per bottle of 100 500 1000				Per bottle of 100 500 1000			
Cathartic Vegetable, (Liver). 1½ gr.....	\$0 20	\$0 85		Corrosive Sublimate, 1-60 150, 140, 120, 120 gr.	\$0 20	\$0 60	\$1 00
Po. Aloes, ¼ gr.				Corrosive Sub., 1-16 gr.	20	60	1 00
Jalap, ¼ gr.				*Creasote, (from Beech- wood) ¼ gr.....	30	1 35	2 40
Podophyllin, 1-16 gr.				*Creasote, ½ gr.....	40	1 75	3 25
Ext. Belladonna, 1-16.				*Creasote, 1 gr.....	50	2 35	4 35
Ol. Tiglii. 1-32 gr.				*Creasote, 2 gr.....	65	3 00	
Oleores. Ginger.				Diarrhoea Pellets.....	25	1 10	
Cerium Oxalate, 1 gr...	40	1 85	Per bottle of 5 oz.	Calomel, ½ gr.			
Cerium Oxalate, 2 gr...	60	2 85		Morph. Sulph., 1-16 gr.			
Cerium Oxalate, 3 gr...	90	4 35		Pow. Capsicum, 1-16 gr			
*†Cinchon. Sulph., ¼ gr.	20	60		Powd. Ipecac, 1-32 gr.			
*†Cinchonid Sulph., ½ gr.	20	60		Pow. Camphor, 1-16 gr.			
*†Cinchonid Sulph., 1 gr.	20	75	1 50	Digitalin, 1-60 gr.....	40	1 85	3 50
*†Cinchonid Sulph., 2 gr.	25	90	1 50	Digitalis Comp., 2 gr...	20	85	1 50
*†Cinchonid Sulph., 3 gr.	30	1 00	1 50	Po. Digitalis, ½ gr.			
*†Cinchonid Sulph., 4 gr.	35	1 25	1 50	Potass. Nitrate, 1 gr.			
*†Cinchonid Sulph., 5 gr.	40	1 60	1 50	Po. Squills, ½ gr.			
Cinchon. and Capsicum	25	90	1 50	Digitalis Comp., 4 gr..	30	1 35	2 60
Cinchonidia, 2 gr.				Po. Digitalis, 1 gr.			
Capsicum, ¼ gr.				Po. Potass. Nit., 2 gr.			
Cinchonidia and Arsenic	20	60	1 00	Po. Squills, 1 gr.			
Cinchonidia, ¾ gr.				Digitalis Leaves, 1-20 gr.	20	60	1 00
Arsenic, 1-100.				Digitalis Leaves, 1-10 gr	20	60	1 00
Chologogue, 3 gr.....	35	1 60		Dinner, (Chapman's)...	30	1 35	
Podophyllin, ¼ gr.				Pulv. Aloes, Soc., 1 gr.			
Ext. Henbane, ½ gr.				Pulv. Rhub., opt., 192.			
Po. Capsic., ¼ gr.				Res. Mastich, 1 gr.			
Aloes, 1 gr.				Dinner, (Cole's).....	40	1 85	
Rhubarb, 1 gr.				Blue Mass, 1 1-5 gr.			
Codeine, ¼ gr.....	1 00	4 75		Puri. Aloes, 1 1-5 gr.			
Codeine, ½ gr.....	1 85	9 00		Pulv. Jalap, 1 1-5 gr.			
Colocynth Comp. Ex- tract, U. S. P., 3 gr.	40	1 85		Ant. Et. Pot. Tart., 1-50 gr.			
Colocynth Comp. and Blue Mass.....	50	2 35		Dinner, (Lady Webster) 3 gr.....	25	1 10	2 00
Ext. Colocynth Comp., 1½ gr.				Purified Aloes, 2 gr.			
Blue Mass, 1½ gr.				Gum Mastich, ½ gr.			
Colocynth, Ipecac and Blue.....	45	2 10		Powd. Licorice, ½ gr.			
Blue Mass, 2 gr.				Dipsomania, Strychnine Nitrate, 1-60 gr....	20	60	1 00
Po. Ext. Coloc. Comp., 2 gr.				Diuretic, 3 gr.....	25	1 10	2 00
Po. Ipecac, 1-6 gr.				Powd. Soap, 1 1-2 gr.			
Colocynth and Henbane, 3 gr.....	55	2 60		Oil Juniper Berries, 1-16 gr.			
Ext. Coloc. Comp., 2 gr.				Sodium Carb., 1½ gr.			
Ext. Henbane, 1 gr.				Diuretic, (Delafield)....	25	1 10	
Cook's.....	25	1 10		Squills.			
Pulv. Aloes, Soc., 1 gr.				Digitalis, aa 1 gr.			
Pulv. Rhubarb, 1 gr.				Corrosive Sub., 1-20 gr.			
Calomel, ½ gr.				Dover's Powder, ¼ gr..	20	60	1 00
Powd. Soap, ½ gr.				Dover's Powder, (See Ipecac and Opium)..			
Corrosive Sublimate, 1-100 gr.....	20	60	1 00				

*Furnished on special order coated pink.

†Furnished on special order coated black.

*This remedy has again been brought into prominent notice as a cure for pulmonary tuberculosis. The pill form is an admirable method of administration.



UPJOHN'S FRIABLE PILLS AND GRANULES.

	Per bottle of 100	500	1000		Per bottle of 100	500	1000
Dupuytren.....	\$0 30	\$1 35		Potass. Carb., 2½ gr.			
Pulv. Guaiac, 3 gr.				†Ferruginous (Blaud's),			
• Corrosive Sublimate,				Modified, 3 gr.....	\$0 25	\$1 10	\$2 00
1-10 gr.				Iron Sulph., exsic.,			
Pulv. Opium, ½ gr.				1½ gr.			
Elaterium (Clutter-				Potass. Carb., 1½ gr.			
buck's), 1-10 gr....	50	2 35		Arsen. Acid, 1-60 gr.			
Elaterium (Clutter-				†Ferruginous (Blaud's),			
buck's), ½ gr.....	55	2 60		Modified, 5 gr	35	1 65	
Emmenagogue Imp....	70	3 25		Iron Sulph., exsic.,			
Ergotin, 1 gr.				2½ gr.			
Purified Aloes, 1 gr.				Potass. Carb., 2½ gr.			
Oil Savin, ½ gr.				Arsen. Acid, 1-40 gr.			
Ext. Blk Helleb., 1 gr.				††Ferruginous Comp.,			
Iron Sulp. exsic. 1 gr.				3½ gr	35	1 65	
Emmenagogue Imp., ½				Iron Sulph., exsic.,			
size.....	35	1 65	\$3 25	1½ gr.			
Ergotin, ½ gr.				Potass. Carb, 1½ gr.			
Purified Aloes, ½ gr.				Quinine, ½ gr.			
Oil Savin, ¼ gr.				Ext. Nux Vom. 1-10 gr			
Ext. Blk Helleb., ½ gr				††Ferruginous Comp.,			
Iron Sulp. exsic. ½ gr				with Aloin, 3½ gr..	35	1 65	
Emmenagogue No. 4...	75	3 60		Iron Sulph., 1½ gr.			
Ergotin, 1 gr.				Potass. Carb., 1½ gr.			
Ext. Cotton Root, 1 gr.				Quinine, ½ gr.			
Purified Aloes, 1 gr.				Ext. Nux Vom. 1-10 gr			
Iron Sulp. exsic., 1 gr.				Aloin, 1-10 gr.			
Oil Savin, ½ gr.				††Ferruginous, Comp.,			
Ergotin, 1-10 gr.....	20	60	1 00	with Aloin, 2d form	35	1 65	
Ergotin, 1 gr	55	2 60		Iron Sulph., 1½ gr.			
Ergotin, 2 gr	1 00	4 75		Potass. Carb., 1½ gr			
Ergotin, 3 gr	1 50	7 25		Ext. Nux Vom. ½ gr.			
Ergotin Comp	1 60	7 80		Aloin, 1-40 gr.			
Ergotin, 3 gr.				Arsen. Acid, 1-16 gr.			
Ext. Cannab. Ind., 1-6 gr				Ferruginous with Nux			
Strychnine, 1-60 gr.				Vom.....	35	1 65	
Female (Hooper's), 2½				Iron Sulph., exsic.,			
gr.	20	85	1 60	1½ gr.			
Pur. Soc. Aloes, 1 gr.				Potass. Carb., 1½ gr.			
Iron Sulph. exsic. ½ gr				Ext. Nux. Vom. 1-10 gr			
Ext. Blk Helleb., ¼ gr.				Gelsemium Root, 1-50 gr.	20	60	1 00
Powd. Jam. Ging., ½ gr				Gelsemium Root, 1-10 gr.	20	60	1 00
Gum Myrrh, ¼ gr.				Gentian Comp.	30	1 35	2 50
Castile Soap. ½ gr.				Ext. Gentian, 2-3 gr.			
Powd. Canella, ½ gr.				Purified Aloes, 2-3 gr.			
†Ferruginous (Blaud's),				Powd. Rhub., 1 1-3 gr.			
3 gr	20	85	1 50				
Iron Sulph., exsic.,							
1½ gr.							
Potass. Carb., 1½ gr.							
†*Ferruginous (Blaud's)							
4 gr	25	1 10	2 00				
Iron, Sulph., exsic.,							
2½ gr.							
Potass. Carb., 1½ gr.							
††Ferrug. (Blauds'), 5 gr.	25	1 10	2 00				
Iron Sulph., exsic.,							
2½ gr.							

* NEW BLAUD'S PILL.—Having had many requests for a Blaud's Pill with an added amount of Sulphate of Iron, we now list a 4-gr. Blaud's pill to meet this requirement.

† Having had frequent inquiries for a Blaud's Pill with the addition of some bitter tonic, also the addition of some mild laxative to overcome the constipating tendency of the Sulphate of Iron, we have decided to list Pill Ferruginous Comp., and Pill Ferruginous Comp. with Aloin. The addition of ½ gr. of Quinine and 1-10 gr. Ext. Nux Vomica as bitter tonics and 1-10 gr. Aloin as a laxative, will recommend these formulæ where such additions are indicated.

†† Furnished pink coated on special order.



UPJOHN'S FRIABLE PILLS AND GRANULES.

	Per bottle of					Per bottle of			
	100	500	1000			100	500	1000	
Oil Caraway, 1-10 gr.					Iron and Quinine Ci-				
Gonorrhœa,	\$0 30	\$1 35	\$2 50		trate, 2 gr.	\$0 65	\$3 00	\$5 75	
Powd. Cubebs, 1¼ gr.					Iron and Quinine Ci-				
Copaiba, 1¼ gr.					trate, 3 gr.	75	3 40	6 25	
Iron Sulph., exsic., ¼					Iron and Quinine Ci-				
gr.					trate, with Strych-				
Ven. Turpentine, ½ gr					nine.	90	4 25		
Gonorrhœa, ½ strength	20	80	1 50		Iron and Quinine Ci-				
Powd. Cubebs, ¾ gr.					trate, 2 gr.				
Iron Sulph., exsic.,					Strych. Citrate, 1-60 gr.				
½ gr.					Iron, Quinine and Zinc				
Copaiba, 3-4 gr.					Valerianates, 3 gr. .	1 25	6 00		
Ven. Turpentine, ¼ gr					Iron Valer.				
Headache, see Migraine.					Quinine Valer.				
Henbane Extract, ½ gr.	20	60	1 00		Zinc Valer., aa 1 gr. .				
Hepatic, 3½ gr.	45	2 10			Iron, Quinine and Zinc				
Blue Mass, 2 gr.					Valerianates, 1½ gr	65	3 00		
Ext. Henbane, 2-3 gr.					Iron Valer.				
Ext. Coloc. Comp., 2-3					Quinine Valer.				
gr.					Zinc Valer., aa ½ gr.				
Hepatic, (Eclectic) 1 gr.	55	2 50	4 75		Iron Sulph., exsic., 2 gr,	25	1 10		
Podophyllin, ¼ gr.					Jalapin, 1-16 gr.	20	60	1 00	
Leptandrin, ½ gr.					Lapactic. (See Aloin.				
Irisin, ¼ gr.					Strych. and Bella.,				
Ext. Nux Vom. 1-16 gr					with Ipecac.)	35	1 50	2 75	
Powd. Capsicum, ½ gr.					Laxative, (Cole's.)	40	1 85		
Hooper's, see Female,					Podophyllin, 1-10 gr				
Hooper's.					Calomel, 1 gr.				
Ipecac, 1-50 gr.	20	60	1 00		Ext. Coloc. Comp., 3 gr.				
Ipecac, ¼ gr.	20	60	1 00		Laxative Special.	45	2 10		
Ipecac and Opium, ½ gr.					Ext. Henbane, 1 ¼ gr.				
(Equal to 2½-gr.					Soc. Aloes, 5-6 gr.				
Dover's Powd.)	30	1 40	2 65		Ext. Nux Vom. 5-12 gr.				
Powd. Ipecac, ½ gr.					Ext. Coloc. Com., 1½ gr.				
Powd. Opium, ½ gr.					Podophyl., 1-12 gr.				
Ipecac and Opium, 1 gr.					Po. Ipecac, 1-12 gr.				
(Equal to 5-gr. Do-					Leptandrin, 1-16 gr.	20	60	1 00	
ver's Powd.)	50	2 25	4 35		Leptandrin, Comp.,				
Powd. Ipecac, ½ gr.					1½ gr.	50	2 25	4 25	
Powd. Opium, ½ gr.					Leptandrin, 1 gr.				
Ipecac and Opium 2 gr.					Podophyllin, ¼ gr.				
(Equal to 10-gr. Do-					Irisin, ¼ gr.				
ver's Powd.)	95	4 50			Liver. (See Cathartic				
Powd. Ipecac, 1 gr.					Vegetable.)	20	85	1 50	
Powd. Opium, 1 gr.					Liver, Vegetable, Im-				
Iron Arseniate, 1-50 gr.	20	60	1 00		proved.	25	1 10		
Iron by Hydrogen, 1-10					Aloes, Soc., 1 gr.				
gr.	20	60	1 00		Pulv. Jalap, 1 gr.				
Iron by Hydrogen (Que-					Pulv. Gamboge, ½ gr.				
venne's), 1 gr.	25	1 10	2 00		Leptandrin, ½ gr.				
Iron by Hydrogen (Que-					Podophyllin, ½ gr.				
venne's), 2 gr.	40	1 85	3 50		Ol. Capsicum, 1-48 gtt.				
Iron Proto-Carb. (Val-					Tinct. Veratr. Vir.,				
let's), 2 gr.	25	1 10			1-4 gtt.				
Iron Proto-Carb. (Val-					Manganese Binox. ½ gr	25	1 10	2 00	
let's), 3 gr.	25	1 10			Manganese Binox., 1 gr,	30	1 35	2 50	
Iron Proto-Carb. (Val-					Manganese Binox., 2 gr.	40	1 85	3 60	
let's), 5 gr.	30	1 35			Manganese Binox., 3 gr.	50	2 25	4 25	



UPJOHN'S FRIABLE PILLS AND GRANULES.

	Per bottle of				Per bottle of		
	100	500	1000		100	500	1000
Mercury Binioidide, 1-100				*Morphine Sulph.,			
1-50, 1-40, 1-25, 1-16,				1-6 gr.....	\$0 30	\$1 35	\$2 60
1/8, 1/4 gr.....	\$0 20	\$0 60	\$1 00	*Morphine Sulph.,			
Mercury with Chalk,				1/4 gr.....	35	1 60	3 10
1-10 gr.....	20	60	1 00	*Morphine Sulph.,			
Mercury with Chalk,				1/8 gr.....	45	2 10	4 00
2 gr.....	25	1 10	2 00	Morphine Sulph.,			
Mercury with Chalk,				1/2 gr.....	55	2 60	
(Hutchinson's No. 3)	65	3 00		Morphine and Bella-			
Mercury with Chalk, 1				donna.....	45	2 00	3 75
gr.				Morphine Sulph.,			
Ext. Nux. Vom. 1/4 gr.				1/8 gr.			
Iron by Hydrogen, 2 gr.				Ext. Belladonna, 1/8 gr.			
Ext. Gentian, q. s.				Morphine, 1/4 gr., Bella-			
Mercury Protio. 1/2, 1/8 gr	25	1 10	2 00	donna, 1/8 gr.,.....	55	2 60	5 00
Mercury Protio. 1-6, 1-5,				Morphine Sulph. 1/4 gr.			
1/4 gr.....	20	85	1 60	Ext. Belladonna, 1/8 gr.			
Mercury Protio. 1-20, 1-16				Morphine and Tartar			
1-10, 1/8 gr.....	20	60	1 00	Emetic.....	20	60	1 00
Mercury Protiodide and				Morphine Sulph.,			
Henbane.....	25	1 10	2 00	1-50 gr.			
Mercury Protiodide,				Tartar Emetic, 1-50 gr			
1-6 gr.				Neuralgic Idiopathic,			
Ext. Henbane, 1-20 gr.				(Brown-Sequard's)			
Mercury Protiodide and				1 3/4 gr.....	50	2 25	4 25
Opium.....	30	1 35	2 50	Ext. Henbane, 1/8 gr.			
Mercury Protiodide,				Ext. Ignatia, 1/4 gr.			
1/2 gr.				Ext. Stramonium			
Powd. Opium, 1-6 gr.				seed, 1-10 gr.			
Mercury Tannate, 1/2 gr	35	1 50		Ext. Conium seed,			
Migraine.....	30	1 35	2 50	1/8 gr.			
Acetanilid, 2 gr.				Ext. Opium, 1/4 gr.			
Camphor Monobrom.,				Ext. Canna. Ind. 1/8 gr			
1/2 gr.				Ext. Belladonna Lea-			
Morphine Comp. "A."				ves, 1-12 gr.			
(Dr. Hubbard's)....	70	3 25		Ext. Aconite Leaves,			
Morphine Sulph. 1/8 gr				1-6 gr.			
Ext. Henbane, 2 gr.				Neuralgic, (Dr. Gross'),			
Camphor, 1 gr.				2 1/2 gr.....	1 00	4 60	
Morphine Comp. "B."				Quinine Sulph., 2 gr.			
(Dr. Hubbard's)....	75	3 50		Morphine Sulph.,			
Morphine Sulph.,				1-20 gr.			
1-6 gr.				Arsen. Acid., 1-20 gr.			
Ext. Henbane, 2 gr.				Ext. Aconite, 1/8 gr.			
Camphor, 1 gr.				Strychnine, 1-30 gr.			
Morphine Comp. "C."				Neuralg, without Morph.			
(Dr. Hubbard's)....	80	3 75		(Dr. Gross').....	90	4 10	
Morphine Sulph.,				Night Sweat.....	55	2 60	
1/4 gr.				Zinc. Oxide, 1/2 gr.			
Ext. Henbane., 2 gr.				Salicin, 1 gr.			
Camphor, 1 gr.				Ext. Bellad., 1-25 gr.			
Morphine Sulph.,				Hydrastin, 1 gr.			
1-100, 1-50 gr.....	20	60	1 00	Lactated, Pepsin,			
*Morphine Sulph.,				1/2 gr.			
1-32, 1-20, 1-16 gr...	20	85	1 60				
*Morphine Sulph.,							
1-10 gr.....	25	1 10	2 00				
*Morphine Sulph., 1/8 gr.	25	1 10	2 10				

*Morphine Pills are sold without protection, and we do not render credit memorandum in the event of decline in price after purchase is made.



UPJOHN'S FRIABLE PILLS AND GRANULES.

	Per bottle of 100 500 1000				Per bottle of 100 500 1000		
Nitroglycerin, 1-50 gr..	\$0 40	\$1 85		Podophyllin, $\frac{1}{4}$ gr.			
Nitroglycerin, 1-100 gr..	40	1 85		Ext. Belladonna, $\frac{1}{2}$ gr.			
Nux Vomica, 1-50 gr....	20	60	\$1 00	Sugar Milk, 1 gr.			
Nux Vomica Ext., $\frac{1}{8}$ gr.	20	60	1 00	Oleores. Capsicum.			
Nux Vomica Ext., $\frac{1}{4}$ gr.	20	85	1 50	Podophyllin and Blue..	\$0 30	\$1 35	
Nux Vomica Ext., $\frac{1}{2}$ gr.	25	1 10		Podophyllin, $\frac{1}{4}$ gr.			
Nux Vomica and Dami- ana, $2\frac{1}{2}$ gr. (See Aphrodisiac.)				Blue Mass, 2 gr.			
Opium, $\frac{1}{2}$ gr.....	30	1 35	2 50	Podophyllin Comp., $\frac{1}{4}$ gr.....	40	1 85	\$3 50
Opium, U. S. P., 1 gr...	45	2 10	4 00	Podophyllin, $\frac{1}{2}$ gr.			
Opium and Camphor. (See Camphor and Opium).....				Ext. Nux Vom., 1-16 gr.			
Opium and Lead Ace- tate, aa 1-12 gr.....	20	60	1 00	Ext. Henbane, $\frac{1}{2}$ gr.			
Opium and Lead Ace- tate, 1 gr.....	30	1 35	2 50	Podophyllin Comp., (Dr. Janeway's)...	55	2 60	
Opium, $\frac{1}{2}$ gr.				Res. Podophyll., $\frac{1}{2}$ gr.			
Lead Acetate, $\frac{1}{2}$ gr.				Pulv. Aloes Soc., 1 gr.			
Pepsin Compound, 3 gr.	45	2 00	3 50	Ext. Belladonna Leaves, $\frac{1}{4}$ gr.			
Pepsin (Fairchild's.)				Ext. Nux Vom., $\frac{1}{4}$ gr.			
Bismuth Subnit.				Post-Partum, (Dr. For- dyce Barker).....	65	3 10	
Powd. Cubeb.				Ext. Coloc. Comp. $1\frac{1}{2}$ gr.			
Powd Rhub., aa $\frac{1}{4}$ gr.				Calomel, $1\frac{1}{2}$ gr.			
Pepsin and Bismuth...	55	2 60		Ext. Henbane, $\frac{1}{2}$ gr.			
Pepsin, sacch., (U. S. P.) 2 gr.				Ext. Nux Vom., 1-6 gr.			
Bismuth Subnitrate, 3 gr.				Pulv. Aloes, 1-6 gr.			
Pepsin, Bismuth and Strychnine.....	90	4 35		Pulv. Ipecac, 1-6 gr.	$\frac{1}{4}$ lb	$\frac{1}{2}$ lb	1 lb
Pepsin, sacch., (U. S. P.) $2\frac{1}{2}$ gr.				Potass. Chlo. and Lic- orice Ext.....	40	70	1 25
Bismuth Subnit., $2\frac{1}{2}$ gr.				Potassium Chlo., 2 gr.			
Strychnine, 1-60 gr.				Licorice Ext., $\frac{1}{2}$ gr.	100	500	1000
Phenacetine, 2 gr.....	1 00	4 85		Potassium Bromide, $\frac{1}{4}$ gr.....	20	60	1 00
Phenacetine, 5 gr.....	2 00	9 85		Potassium Brom. $\frac{1}{2}$ gr.	20	60	1 00
Phenacetine and Salol.	1 80	8 75		Potassium Iodide, 2 gr.	55	2 60	
Phenacetine (Bayer), $2\frac{1}{2}$ gr.				Potassium Iodide, 3 gr.	65	3 00	
Salol, $2\frac{1}{2}$ gr.				Potassium Iodide, 5 gr.	85	4 00	
Phenacetine and Salol Comp.....	1 80	8 75		Potassium Nit., 1-10 gr.	20	60	1 00
Phenacetine (Bayer), 2 gr.				Potassium Nitrate, $\frac{1}{4}$ gr.	20	60	1 00
Salol, $1\frac{1}{2}$ gr.				Potassium Nitrate, $\frac{1}{2}$ gr.	20	60	1 00
Quinine, $1\frac{1}{2}$ gr.				Potassium Permang., $\frac{1}{4}$ gr.....	30	1 35	2 50
Podophyllin, $\frac{1}{2}$ gr.....	25	1 10	2 00	Potassium Permang., $\frac{1}{2}$ gr.....	40	1 75	3 50
Podophyllin, $\frac{1}{4}$ gr.....	20	60	1 00	Potassium Permang., 1 gr.....	50	2 25	4 00
Podophyllin, $\frac{1}{8}$ gr.....	20	60	1 00	Potassium Permang., 2 gr.....	75	3 00	5 50
Podophyllin, 1-10 gr...	20	60	1 00	Quinine, Arsenic and Atropia (Dr. Whe- lan's Cold Pill)....	75	3 50	
Podophyllin, 1-16 gr...	20	60	1 00	Quinine Sulph., $1\frac{1}{2}$ gr.			
Podophyllin, 1-20 gr...	20	60	1 00	Liquor Arsenalis, min. 1.			
Podophyllin, 1-40 gr...	20	60	1 00	Liquor Atropia, min. 1-12.			
Podophyllin and Bel- ladonna, 2 gr.....	45	2 10	4 00	Ext. Gentian, $1\frac{1}{2}$ gr.			



UPJOHN'S FRIABLE PILLS AND GRANULES.

	Per bottle of 100	500	1000
Quinine and Blue.....	\$0 80	\$3 75	
Quinine Sulph., 1½ gr.			
Blue Mass, 1½ gr.			
Quinine Bromide, 2 gr.	1 00	4 50	
Quinine and Capsicum,			
1¼ gr.....	30	1 35	
Quinine Sulph., 1 gr.			
Capsicum, ¼ gr.			
Quinine and Capsicum,			
2¼ gr.....	50	2 35	
Quinine, 2 gr.			
Capsicum, ¼ gr.			
Quinine and Capsicum,			
3¼ gr.....	60	2 85	
Quinine, 3 gr.			
Capsicum, ¼ gr.			
Quinine Comp.....	50	2 35	
Quinine Sulph., 1 gr.			
Iron by Hydrogen, 1 gr.			
Arsen. Acid, 1-32 gr.			
Quinine Comp. and			
Strych. ("A").....	50	2 35	
Quinine Sulph., 1 gr.			
Arsen. Acid, 1-20 gr.			
Iron by Hydrogen,			
1 gr.			
Strychnine, 1-40 gr.			
Quinine and Iron Ferro-			
cyanide.....	50	2 35	
Ferroc. Iron, 1½ gr.			
Quinine, 1½ gr.			
Arsenic, 1-50 gr.			
Quinine, Iron and Zinc			
Valerianates.....			
(See Iron, Quinine and			
Zinc Val.)			
Quinine; Iron and			
Strych.....	50	2 35	\$4 50
Quinine Sulph., 1 gr.			
Reduced Iron, 1 gr.			
Strychnine, 1-60 gr.			
Quinine, Iron and			
Strychnine Phos-			
phate (I), 2 gr.....	85	4 10	
Quinine Phos., 1 gr.			
Iron Phos., 1 gr.			
Strych. Phos., 1-60 gr.			
Quinine, Iron and			
Strychnine Phos-			
phate (II), 3 gr....	1 00	5 00	
Quinine Phos., 2 gr.			
Iron Phos., 1 gr.			
Strych Phos., 1-60 gr.			
Quinine and Strychnine	50	2 35	
Quinine Sulph., 1 gr.			
Strych Sulph., 1-60 gr.			
Quinine Muriate, 2 gr.	75	3 55	
Quinine Sulph., 1-10 gr.	29	60	1 00

	Per bottle of 100	500	1000
*†Quinine Sulph., ¼ gr.	\$0 20	\$0 60	\$1 00
*†Quinine Sulph., ½ gr.	20	80	
*†Quinine Sulph., 1 gr..	25	1 10	
*†Quinine Sulph., 2 gr..	40	1 80	
*†Quinine Sulph., 3 gr..	55	2 55	
*†Quinine Sulph., 4 gr..	70	3 30	
*†Quinine Sulph., 5 gr..	85	4 00	
Quinine Valerianate,			
2 gr.....	1 25	6 00	
Rheumatic.....	55	2 60	
Ext. Coloc. Comp.,			
1½ gr.			
Ext. Colc. Acet., 1 gr.			
Ext. Henbane, ⅞ gr.			
Calomel, ⅞ gr.			
Rhubarb and Blue....	40	1 85	
Blue Mass, 1¼ gr.			
Soda Bicarb., ½ gr.			
Powd. Rhubarb, 1 gr.			
Rhubarb Comp., 3½ gr.	35	1 50	2 75
Powd. Rhubarb, 1½ gr.			
Powd. Myrrh, ¾ gr.			
Pur. Soc. Aloes, 1½ gr.			
Oil Peppermint, q. s.			
Rhubarb and Carbonate			
of Soda.....	30	1 35	
Rhubarb, 2 gr.			
Soda Carb. exsic., 1 gr.			
Rhubarb, U. S. P., 3 gr.	35	1 50	2 75
Salicin, 1 gr.....	40	1 85	3 50
Salicin, 2 gr.....	60	2 75	5 25
Salicin, 3 gr.....	75	3 60	
Salicylic Acid, 1 gr....	25	1 10	2 00
Salicylic Acid, 2 gr....	40	1 85	3 50
Salicylic Acid, 3 gr....	50	2 25	4 00
Salicylic Acid, 5 gr....	80	3 75	7 00
Salicylic Acid and Mor-			
phine, "A".....	70	3 25	
Salicylic Acid, 2½ gr.			
Morph. Sulph., 1-12 gr.			
Salicylic Acid and Mor-			
phine, "B".....	1 25	6 00	
Salicylic Acid, 5 gr.			
Morphine Sulph. ⅞ gr.			
†Salol, 1-10 gr.....	20	60	1 00
†Salol, 1 gr.....	35	1 50	2 75

†In bottles containing 5 oz. Quinine Sulph., \$3.00 each. See Page 322.

*We furnish all sizes Quinine Pills, colored black or coated pink. In the absence of explicit instructions the white coated will be sent. Quinine Pills are sold without protection, and we do not render credit memorandum in the event of decline in price after purchase is made.

†These sizes of Salol pills have been particularly recommended as an intestinal antiseptic in the treatment of Diarrhoea, both in adults and infants.

One of the most recently recognized uses of this valuable remedy is for the relief of cystic inflammation. It is spoken of as a specific for this trouble.



UPJOHN'S FRIABLE PILLS AND GRANULES.

	Per bottle of 100	500	1000		Per bottle of 100	500	1000
Salol, 2½ gr.....	\$0 70	\$3 30		Cinchon. Sulph., 1 gr.			
Salol, 5 gr.....	1 00	4 80		Iron Pyrophosph., 1 gr.			
Salol and Phenacetine (See Phenacetine and Salol.)				Strychnine, 1-80 gr.			
Santonin, 1-10 gr.....	20	60	\$1 00	Arsenious Acid, 1-50 gr.			
Santonin, ½ gr.....	35	1 60	3 00	Triplex.....	\$0 40	\$1 85	\$3 50
Santonin, 1 gr.....	50	2 35	4 50	Purified Aloes, 2 gr.			
Santonin and Calomel, aa 1-10 gr.....	20	60	1 00	Blue Mass, 1 gr.			
Strophanthus Seed, 1-20 gr.....	50	2 35		Res. Podophyl., ¼ gr.			
Strophanthus Seed, ¼ gr	80	3 85		Triplex, (Dr. Francis').	40	1 85	
Strychnine, 1-200 gr....	20	60	1 00	Aloes, 1 1-5 gr.			
Strychnine, 1-100 gr....	20	60	1 00	Scammony, 1-15 gr.			
Strychnine, 1-60 gr.....	20	60	1 00	Blue Mass, 1 1-5 gr.			
Strychnine, 1-50 gr.....	20	60	1 00	Ol. Tiglii, 1-20 m.			
Strychnine, 1-40 gr.....	20	60	1 00	Ol. Cari., 1-5 m.			
Strychnine, 1-32 gr.....	20	60	1 00	Tinct. Aloes and			
Strychnine, 1-30, 1-20 gr.	20	60	1 00	Myrrh, ¼ m.			
Strych. Acetate, 1-50 gr.	20	60	1 00	Warburg's Tincture....	1 20	5 80	
Strych. Arsenite, 1-150 gr	26	60	1 00	Representing ½			
Strych. Arsenite, 1-100 gr	20	60	1 00	drachm each.			
Strych. Arsenite, 1-50 gr.	20	60	1 00	Warburg's Tincture,			
Strych. Nitrate, 1-60 gr.	20	60	1 00	without Aloes.....	2 00	9 00	
(See Dipsomania.)				Representing 1			
Strych. Sulph., 1-200 gr.	20	60	1 00	drachm each.			
Strych. Sulph., 1-100 gr.	20	60	1 00	Warburg's Tincture,			
Strych. Sulph., 1-60 gr.	20	60	1 00	without Aloes.....	1 20	5 80	
Strych. Sulph., 1-50 gr.	20	60	1 00	Representing ½			
Strych. Sulph., 1-40 gr.	20	60	1 00	drachm each.			
Strych. Sulph., 1-32 gr..	20	60	1 00	Warburg's Tincture....	2 00	9 00	
Strych. Sulph., 1-30 gr.	20	60	1 00	Representing 1			
Strych. Sulph., 1-20 gr.	20	60	1 00	drachm each.			
Strychnine Comp., (See				Zinc Oxide, 1 gr.....	40	1 85	
Quinine Comp. and				Zinc Phosphide, 1-10 gr.	45	2 10	
Strych.).....				Zinc Phosphide Comp..	65	3 00	
Sumbul Comp.....	1 00	4 85		Zinc Phosphide, ¼ gr.			
Ext. Sumbul, 1 gr.				Ext. Nux Vom., ¼ gr.			
Dried Iron, 1 gr.				Ext. Cannabis Ind., ¼ gr			
Asafetida, 2 gr.				Zinc Phosphide and Nux			
Arsen. Acid, 1-40 gr.				Vomica, ½ gr.....	45	2 00	3 75
Tartar Emetic, 1-100 gr.	20	60	1 00	Zinc Phosp., 1-10 gr.			
Tartar Emetic, 1-50 gr.	20	60	1 00	Ext. Nux Vom., ¼ gr			
Tartar Emetic, 1-16 gr.	20	60	1 00	Zinc Sulphocarbonate, ¼			
Tartar Emetic, ¼ gr.	20	60	1 00	gr.....	20	60	1 00
Tonic, (Ailkin's), 2 gr....	50	2 35	4 50	Zinc Sulphocarbonate, ½			
Quinine Sulph., 1 gr.				gr.....	20	60	1 00
Arsenious Acid, 1-50 gr.				Zinc Sulphocarbonate, 1			
Iron by Hydrog., ½ gr.				gr.....	25	1 10	
Strychnine, 1-50 gr.				Zinc Sulphocarbonate,			
Tonic, (Williford's)....	60	2 85		2½ gr.....	50	2 25	
Quinine Sulph., 2 gr.				Zinc Sulphocarbonate, 5			
Reduced Iron, 2 gr.				gr.....	75	3 50	
Ext. Nux. Vom., ½ gr.				Zinc Valerianate, 1 gr.	60	2 85	
Res. Podophyl., 1-15 gr.				Zinc Valerianate, 2 gr..	75	3 60	
Arsen. Acid, 1-30 gr.							
Tonic Hæmatic, 2½ gr.	60	2 75	5 25				

From recent investigations and experience of eminent clinicians, we are led to believe that Zinc Sulpho-Carbonate is the ideal intestinal antiseptic for administration in Typhoid Fever, Infantile Diarrhœa, Cholera Infantum, and all allied diseases, where an efficient antiseptic, combined with a mild astringent and stimulant action, is indicated.



SOLUBLE HYPODERMIC TABLETS AND COMPRESSED TABLETS.

PREPARED BY

W. H. SCHIEFFELIN & Co.,

NEW YORK.

ACCURATE. EFFICIENT AND NON-IRRITANT.

Our Soluble Hypodermic Tablets are manufactured with the same care as is bestowed upon our well-known line of Soluble Pills. They therefore combine accuracy in the sub-division of the medicaments used, and therapeutic efficiency. They are also free from the irritating sequelæ which often supervene when this class of medications is used.

These Tablets will keep perfectly in any climate, and will be found freely soluble in ten minims of water. They thus insure to the physician, in emergency cases or otherwise, medication in a ready and portable form.

If found necessary these Hypodermic Tablets can be readily administered by the mouth like a pill, or they can be dissolved in any given quantity of water. The physician is therefore enabled to prescribe the remedy in either manner.

Discount, 25 per cent.

In Bottles of			In Bottles of		
	25	100		100	500
No. 1. Apomorphiæ Muriatis, 1-20 gr.	\$0 19	\$0 75	No. 34. Pilocarpici Muriatis, 1-20 gr.	\$0 16	\$0 60
No. 2. Apomorphiæ Muriatis, 1-10 gr.	23	95	No. 35. Pilocarpici Muriatis, 1-10 gr.	22	90
No. 3. Aconitiæ (Duquesnel's), 1-500 gr.	20	80	No. 36. Pilocarpici Muriatis, ½ gr.	21	1 00
No. 4. Atropiæ Sulph., 1-200 gr.	12	40	No. 37. Pilocarpici Muriatis, ¼ gr.	36	1 60
No. 5. Atropiæ Sulph., 1-150 gr.	12	40	No. 38. Pilocarpici Muriatis, ⅓ gr.	40	1 80
No. 6. Atropiæ Sulph., 1-100 gr.	12	40	No. 39. Pilocarpici Nitratis, ½ gr.	40	1 80
No. 7. Atropiæ Sulph., 1-60 gr.	14	50	No. 40. Strychniæ Sulphatis, 1-150 gr.	12	40
No. 8. Atropiæ Sulph., 1-50 gr.	14	50	No. 41. Strychniæ Sulphatis, 1-100 gr.	12	40
No. 9. Caffeiæ Citratis, 1-2 gr.	15	55	No. 42. Strychniæ Sulphatis, 1-60 gr.	12	40
No. 10. Cocainæ Muriatis, 1-10 gr.	15	55	No. 43. Strychniæ Nitratis, 1-60 gr.	12	40
No. 11. Cocainæ Muriatis, 1-8 gr.	16	60	No. 44. Strychniæ Nitratis, 1-30 gr.	12	40
No. 12. Cocainæ Muriatis, ¼ gr.	20	80	Phenacetine-Bayer, 2 grs.	1 00	4 80
No. 13. Coninæ Hydrobrom., 1-100 gr.	12	40	Phenacetine-Bayer, 3 grs.	1 30	6 30
No. 14. Digitalin Purif., 1-100 gr.	12	40	Phenacetine-Bayer, 4 grs.	1 60	7 80
No. 15. Eserinæ Sulphatis, 1-100 gr.	24	1 00	Phenacetine-Bayer, 5 grs.	2 00	9 80
No. 16. Hyoscyaminæ Sulph., 1-100 gr.	28	1 20	Phenacetine et Salol., 5 grs.	1 60	7 80
No. 17. Hyoscyaminæ Sulph., 1-50 gr.	44	2 00	Phenacetine-Bayer, 2½ grs.		
No. 18. Hyoscyaminæ Hydrobrom., 1-100 gr.	22	90	Phenacetine et Salophen, 5 grs.	2 00	9 80
No. 19. Hydrarg., Chlor., Corr., 1-60 gr.	12	40	Phenacetine-Bayer, 2½ grs.		
No. 20. Hydrarg., Chlor., Corr., 1-30 gr.	12	40	Salophen, 2½ grs.		
No. 21. Morphici Sulphatis, ½ gr.	12	40	Saline and Chalybeate Tonic (Dr. Flint's Formula)	50	2 30
No. 22. Morphici Sulphatis, 1-6 gr.	12	40	Sodii Chloridi (C. P.), 3 grs.		
No. 23. Morphici Sulphatis, ¼ gr.	14	50	Potassii Chloridi (C. P.), 3-20 gr.		
No. 24. Morphici Sulphatis, ⅓ gr.	16	60	Potassii Sulphidi (C. P.), 2-20 gr.		
No. 25. Morphici Sulphatis, ½ gr.	19	75	Potassii Carb. (Squibb), 1-20 gr.		
No. 26. Morphici et Atropiæ Sulph.	15	55	Sodii Carb. (C. P.), 12-20 gr.		
Morph. Sulph., ½ gr.			Magnesiæ Carb., 1-20 gr.		
Atropiæ Sulph., 1-200 gr.			Calcii Phosph. Precip., ½ gr.		
No. 27. Morphici et Atropiæ Sulph.	15	55	Calcii Carb., 1-20 gr.		
Morph. Sulph., 1-6 gr.			Ferri Redacti (Merck), 9-20 gr.		
Atropiæ Sulph., 1-180 gr.			Ferri Carb., 1-20 gr.		
No. 28. Morphici et Atropiæ Sulph.	16	60	Salophen, 2½ grs.	1 15	5 55
Morph. Sulph., ¼ gr.			Salophen, 5 grains.	2 00	9 80
Atropiæ Sulph., 1-150 gr.					
No. 29. Morphici et Atropiæ Sulph.	18	70			
Morph. Sulph., ¼ gr.					
Atropiæ Sulph., 1-120 gr.					
No. 30. Morphici et Atropiæ Sulph.	21	85			
Morph. Sulph., ½ gr.					
Atropiæ Sulph., 1-120 gr.					
No. 31. Morphici et Atropiæ Sulph.	15	55			
Morph. Sulph., ⅓ gr.					
Atropiæ Sulph., 1-100 gr.					
No. 32. Morphici et Atropiæ Sulph.	16	60			
Morph. Sulph., ¼ gr.					
Atropiæ Sulph., 1-100 gr.					
No. 33. Morphici et Atropiæ Sulph.	21	85			
Morph. Sulph., ½ gr.					
Atropiæ Sulph., 1-100 gr.					

Per Tube
of 10
Per Bottle
of 100

Sulfonal-Bayer, 5 grs.	35	2 75
Sulfonal-Bayer, 10 grs.	60	5 25
Sulfonal-Bayer, 15 grs.	85	7 75
Sulfonal et Phenacetine, 7½ grs.	45	3 75
Sulfonal-Bayer, 5 grs.		
Phenacetine-Bayer, 2½ grs.		
Sulfonal et Phenacetine, 15 grs.	80	7 00
Sulfonal-Bayer, 10 grs.		
Phenacetine-Bayer, 5 grs.		



W. H. Schieffelin & Co's Soluble Pills and Granules.

Unequaled for Purity in Composition, Solubility in Coating, Uniformity in Size.

These Pills are the result of many years' study of the subject, during which time each defect as it became manifest, has been met and overcome.

We guarantee that their action will be as prompt and thorough as any uncoated pill that can be made, while they possess the advantages over pills not coated that they can be swallowed without taste, that the soluble condition of the mass is preserved by exclusion from atmospheric contact, and that substances like Proto-Salts of Iron, Phosphorus, etc., are effectually protected from oxidation.

THE COATING is an inert, soluble compound, dissolving upon the tongue in all cases almost instantly, entirely TASTELESS, perfectly TRANSPARENT and COLORLESS, thus disclosing to the eye the exact color and appearance of the pill-masses.

THE COATING is so thin that it scarcely increases the size of the pill, thus securing as small a bulk as the quantity of material will admit, while its application is so even that no inequalities exist.

EVERY PILL is perfectly round; each pill of the same variety corresponds with its neighbor exactly in size and weight.

THE MATERIALS used in forming the various masses are INVARIABLY the BEST the market affords, weighed with scrupulous exactness, combined so thoroughly that the medicinal matter is perfectly diffused throughout the mass.

THE EXCIPIENTS employed are such as are best adapted to permanently secure a soft soluble condition of the mass.

Discount, 25 per cent.

	In Bottles of		In Bottles of	
	100	500	100	500
Abernethy's.....	\$0 60	\$2 80		
Pulv. Aloes Socot., 2 grs.				
Pulv. Ipecac., 5-6 gr.				
Pil. Hydrarg., 1 gr.				
Extr. Hyoscyami, 2 grs.				
Acetanilid, (Antifebrile), 1 gr., 2 grs.	40	1 80		
Acetanilid, (Antifebrile), 5 grs.	60	2 80		
Acidi Arseniosi, 1-60 gr., 1-50 gr., 1-40 gr., 1-30 gr., 1-20 gr.	40	1 80		
Acidi Salicylici, 2½ grs.	60	2 80		
Acidi Salicylici, 5 grs.	1 00	4 80		
Acidi Salicylici et Morphiae Sulph.	1 00	4 80		
Acidi Salicylic., 2½ grs.				
Morphiae Sulph., 1-12 gr.				
Aconitia, (Duquesnel's), 1-480 gr., 1-200 gr.	60	2 80		
Aconiti, Rad. Tincturae, ½ min.	40	1 80		
Aloes, U. S. P.	40	1 80		
Pulv. Aloes Socot., 2 grs.				
Pulv. Saponis, 2 grs.				
Aloes, Comp., U. S. P. (Pil. Gentian Comp.)	40	1 80		
Ext. Gentianae, ½ gr.				
Pulv. Rhei, 1½ gr.				
Pulv. Aloes Socot., ½ gr.				
Ol. Carui, 1-5 gtt.				
Aloes et Assafoetida, U. S. P.	40	1 80		
Pulv. Aloes Socot., 1½ gr.				
Pulv. Assafoetida, 1½ gr.				
Pulv. Saponis, 1½ grs.				
Aloes et Ferri.....	40	1 80		
Pulv. Aloes Socot., ½ gr.				
Ferri Sulph. Exsic., 1 gr.				
Ext. Conii, ½ gr.				
Pulv. Zingib. Jam., 1 gr.				
Aloes, Hyoscy., Nucis Vom., et Ipecac.	60	2 80		
Pulv. Aloes Socot., 2 grs.				
Ext. Hyoscyami, 1 gr.				
Ext. Nuc. Vom., 4-15 gr.				
Pulv. Ipecac., 1-6 gr.				
Aloes et Myrrhae, U. S. P.	45	2 05		
Pulv. Aloes Socot., 2 grs.				
Pulv. Myrrh., 1 gr.				
Pulv. Aromatici, ½ gr.				
Aloes et Nucis Vomicae.....	50	2 30		
Pulv. Aloes Socot., 1½ grs.				
Ext. Nucis Vom., ½ gr.				
Aloes, Nucis Vomicae et Belladonnae..	50	2 30		
Pulv. Aloes Socot., 1½ grs.				
Ext. Nucis Vomicae, ½ gr.				
Ext. Belladonnae, Fol., ½ gr.				
Aloin, 1-10 gr., ½ gr., 1-5 gr.	40	1 80		
Aloin, ¼ gr.	50	2 30		
Aloin, ½ gr.	60	2 80		
Aloin, 1 gr.	1 00	4 80		
Aloin, Comp.				
Aloin, ½ gr.				
Resinae Podophylli, ½ gr.				
Ext. Belladonnae, ¼ gr.				
Aloin et Strychniae.....	60	2 80		
Aloin, 1-5 gr.				
Strychniae, 1-60 gr.				
Aloin, Strychniae et Belladonnae, 1st form	60	2 80		
Aloin, 1-5 gr.				
Strychniae, 1-120 gr.				
Ext. Belladonnae, ½ gr.				
Aloin, Strychniae et Bellad., 2nd form..	60	2 80		
Aloin, 1-5 gr.				
Strychniae, 1-60 gr.				
Ext. Belladonnae, ¼ gr.				
Aloin, Strychniae et Belladonnae, Comp.	70	3 30		
Aloin, 1-5 gr.				
Strychniae, 1-60 gr.				
Ext. Belladonnae Fol., ¼ gr.				
Ext. Cascarae Sagradae, ½ gr.				
Aloin, Strychniae, Belladonnae et Ipecac (Lapactive).....	70	3 30		
Aloin, ¼ gr.				
Strychniae, 1-60 gr.				
Ext. Belladonnae, ½ gr.				
Ipecac, Pulv., 1-16 gr.				
Alterative.....	60	2 80		
Ext. Coloc. Comp. Pulv., 1½ gr.				
Pil. Hydrarg., 1 gr.				
Pulv. Rhei, 1½ grs.				
Ol. Carui, 1-40 gtt.				
Anderson's (Scot's).....	40	1 80		
Pulv. Aloes Barb., 3 grs.				
Pulv. Colocynth., 3 grs.				
Pulv. Saponis, 3 grs.				
Pulv. Gambogii, 3 grs.				
Ol. Anisi, 3 grs.				
Anti-Bilious (Vegetable).....	60	2 80		
Pulv. Ext. Coloc. Co., 2½ grs.				
Resin. Podophylli, ¼ gr.				
Anti-Chill.....	60	2 80		
Chinoidin, 1 gr.				
Ol. Pip. Nig., 1 gtt.				
Ferri Ferrocyani, 1 gr.				
Acidi Arseniosi, 1-20 gr.				
Anti-Dyspeptic.....	80	3 80		
Strychniae, 1-40 gr.				
Pulv. Ipecacuanhae, 1-10 gr.				
Ext. Belladonnae, Fol., 1-10 gr.				
Pil. Hydrarg., 2 grs.				
Ext. Coloc. Comp., 2 grs.				
Anti-Dyspeptic (Fothergill's).....	60	2 80		
Strychniae, 1-20 gr.				
Pulv. Ipecac., ½ gr.				
Pulv. Piper Nig., 1½ gr., Ext. Gentianae, 1 gr.				



W. H. SCHIEFFELIN & CO'S SOLUBLE PILLS AND GRANULES.

In Bottles of 100 500			In Bottles of 100 500		
Antimonii Compositæ (Plummer's).....	\$0 40	\$1 80	Cathartic Comp. (Vegetable).....	\$0 45	\$2 50
Hydrarg. Chlor. Mit., ½ gr.			Ext. Colocynth., ½ gr.		
Antimonii Oxy Sulph., ½ gr.			Resin. Podophylli, ¼ gr.		
Pulv. Guaiaci Resinæ, 1 gr.			Pulv. Res. Scammon., ¼ gr.		
Anti-Periodic.....	60	2 80	Pulv. Aloes Socotrin., 1¼ grs.		
Cinchonidiæ Sulph., 1 gr.			Pulv. Cardamomi, 1-9 gr.		
Strychniæ Sulph., 1-33 gr.			Pulv. Saponis, ½ gr.		
Resin. Podophylli, 1-20 gr.			Cerri Oxalat., 1 gr.	70	3 30
Ferri Sulph. Exsic., ½ g.			Cerri Oxalat., 2 grs.	1 00	4 80
Gelemin, Eclect., 1-20 gr.			Chinoidine, 1 gr.	40	1 80
Ol. Resin. Capsici, 1-10 gtt.			Chinoidine, 2 grs.	50	2 30
Aperient.....	80	3 80	Chinoidine, 3 grs.	60	2 80
Ext. Nuc s Vomica, ½ gr.			Cinchona Bark Salts.....	1 00	4 80
Ext. Hyoscyami, ½ gr.			Quinidæ Sulph., ½ gr.		
Ext. Coloc. Comp., 2 grs.			Quinidæ Sulph., ½ gr.		
Aperient (Improved).....	80	3 80	Cinchonidæ Sulph., ½ gr.		
Aloin, ½ gr.			Cinchonidæ Sulph., 1 gr.		
Irisin, ½ gr.			Cinchonidæ Alkaloid, 2 grs.	50	2 30
Podophyllin, ½ gr.			Cinchonidæ Sulphat., 1 gr., 2 grs.	40	1 80
Ext. Belladonnæ, ½ gr.			Cinchonidæ Sulphat., 3 grs.	50	2 20
Ext. Nuc. Vomica, ½ gr.			Cinchonidæ Sulphat., 5 grs.	80	3 80
Ol. Capsici, 1-16 gr.			Cinchonidæ Alkaloid, 2 grs.	60	2 80
Aperient (Dr. Fordyce Barker).....	80	3 80	Cinchonidæ Salicylati, 2½ grs.	90	4 30
Ext. Coloc. Comp., 1½ grs.			Cinchonidæ Sulphat., ½ gr., 1 gr., 2 grs.	40	1 80
Ext. Nuc. Vom., ½ gr.			Cinchonidæ Sulphat., 3 grs.	50	2 30
Ext. Hyoscyami, 1¼ grs.			Cinchonidæ Sulphat., 4 grs.	80	2 80
Pulv. Ipecac., 1-12 gr.			Cinchonidæ Sulphat., 5 grs.	80	3 80
Pulv. Aloes Socot., 5-12 gr.			Cinchonidæ et Capsici, 1st form.	50	2 30
Resinæ Podophylli, 1-12 gr.			Cinchonidæ Sulph., 1 gr.		
Arsenici Iodidi, 1-20 gr.	40	1 80	Pulv. Capsici, ¼ gr.		
Arsenici Sulphidi, 1-100 gr., 1-50 gr.,			Cinchonidæ et Capsici, 2d form.	70	3 30
1-30 gr.	40	1 80	Cinchonidæ Sulph., 2 grs.		
Assafoetidæ, 2 grs.	40	1 80	Pulv. Capsici, ½ gr.		
Assafoetidæ, U. S. P., 4 grs.	40	1 80	Cinchonidæ Comp.....	70	3 30
Assafoetidæ Comp.....	40	1 80	Cinchonidæ Sulph., 1 gr.		
Pulv. Assafoetidæ, 2 grs.			Ferri Redact., 1 gr.		
Ferri Sulph. Exsic., 1 gr.			Acid. Arseniosi, 1-32 gr.		
Assafoetidæ et Rhei.....	40	1 80	Cocaine Muriate, 1-20 gr.	80	3 80
Pulv. Assafoetidæ, 1 gr.			Codeiæ, 1-16 gr.	80	3 80
Pulv. Rhei, 1 gr.			Codeiæ, ½ gr.	1 00	4 80
Ferri Redact., 1 gr.			Codeiæ, ¼ gr.	1 40	6 80
Atropiæ, 1-100 gr., 1-60 gr.	60	2 80	Codeiæ, ½ gr.	2 00	9 80
Atropiæ, Sulph., 1-120 gr., 1-100 gr.,			Cook's.....	45	2 05
1-80 gr., 1-60 gr.	60	2 80	Pulv. Aloes Soc., 1 gr.		
Bismuthi Subnitrat., 3 grs.	60	2 80	Hydrarg. Chlor. Mit., ¼ gr.		
Bismuthi Subnitrat., 5 grs.	80	3 80	Pulv. Rhei, 1 gr.		
Caffeiæ Citrat., 1 gr.	1 00	4 80	Pulv. Saponis, ¼ gr.		
Calci Sulphid., 1-10 gr., ½ gr., ¼ gr.,			Copaibæ Comp.....	45	2 05
½ gr., 1 gr.	40	1 80	Pulv. Cubebæ, 2 grs.		
Calci Sulphid., 2 grs., 3 grs.	50	2 30	Ferri Sulph. Exsic., ½ gr.		
Camphoræ, ½ gr.	40	1 80	Pil. Copaibæ, 1 gr.		
Camphoræ, et Hyoscyami.....	40	2 05	Terebinth. Venet., ½ gr.		
Camphoræ, 1 gr.			Creasote, (From pure Beech-Tar), ½ gr.	50	2 30
Ext. Hyoscyami, 1 gr.			Creasote, (From pure Beech-Tar), 1 gr.	65	3 05
Camphoræ, Hyoscyami et Valerianæ..	45	2 05	Creasote, (From pure Beech-Tar), 2 grs.	80	3 80
Camphoræ, 1 gr.			Creasote, (From pure Beech-Tar), 3 grs.	90	4 30
Ext. Valerianæ, ½ gr.			Creasote, (From pure Beech-Tar), 5 grs.	1 00	4 80
Ext. Hyoscyami, 1 gr.			Cupri Arsenitis, 1-5000, 1-3000, 1-100 gr.	40	1 80
Camphoræ et Lupulin.....	50	2 30	Digestive.....	1 60	7 80
Camphoræ, 1½ grs.			Pepsin Pur., 1 gr.		
Lupulin, 1 gr.			Pancreatin Sacch., 1 gr.		
Camphoræ, Mono-Bromat., 1 gr.	40	1 80	Ext. Malti, 1 gr.		
Camphoræ, Mono-Bromat., 2 grs.	75	3 55	Calci Hypophosph., 1 gr.		
Camphoræ, Mono-Bromat., 3 grs.	1 00	4 80	Digitalin, Pur., 1-100 gr., 1-60 gr.	60	2 80
Camphoræ, Mono-Bromat., 5 grs.	1 25	6 05	Digitalis, ¼ gr. (Pulv. Fol.).....	40	1 80
Cathartic Comp., U. S. P.	45	2 05	Digitalis, Tinct., ¼ minim.	40	1 80
Ext. Coloc. Comp., 1½ grs.			Digitalis Comp.....	50	2 30
Ext. Jalapæ, 1 gr.			Pulv. Digitalis, 1 gr.		
Hydrarg. Chlor. Mitis, 1 gr.			Pulv. Scillæ, 1 gr.		
Pulv. Cambogiæ, ½ gr.			Pulv. Potass. Nit., 2 grs.		
Cathartic Comp., U. S. P., ¼ gr.	40	1 80	Dinner (Chapman's).....	45	2 05
Cathartic Comp. (Improved).....	45	2 05	Pulv. Aloes Soc., 1 gr.		
Ext. Colocynth. Comp., 1½ grs.			Pulv. Rhei, 1 gr.		
Ext. Jalapæ, ½ gr.			Gum. Mastich., 1 gr.		
Resin. Podoph., ½ gr.			Dinner (Dr. Hall's).....	45	2 05
Resin. Leptand., ½ gr.			Aloes Barb., 1 gr.		
Ext. Hyoscyami, 1 gr.			Extr. Glycyrrh., 1 gr.		
Ext. Gentianæ, ½ gr.			Sapon. Pulv.		
Ol. Ment. Pip., 1-40 gtt.			Theriaca, 1 gr.		

HAS TRUAX (TRU) GREENE & CO

W. H. SCHIEFFELIN & CO'S SOLUBLE PILLS AND GRANULES.

In Bottles of 100 500			In Bottles of 100 500		
Dinner (Lady Webster's).....	\$0 45	\$ 2 05	Extract Erythroxyli (Coca), 1 gr.....	\$0 50	\$ 2 50
Pulv. Aloes Soc., 2 grs.....			Extract Erythroxyli (Coca), 2 grs.....	80	3 80
Pulv. Gum. Mastich., $\frac{1}{2}$ gr.....			Extract Eucalypti Globuli, 2 grs.....	60	2 80
Pulv. Rosæ Gallicæ, $\frac{1}{2}$ gr.....			Extract Gelsemii, $\frac{1}{2}$ gr.....	40	1 80
Elaterii, Vir., 1-30 gr., 1-10 gr., (Clutter- buck's).....	60	2 80	Extract Gelsemii, 1 gr.....	50	2 30
Elaterin Alb., 1-100 gr.....	80	3 80	Extract Grindeliæ Robustæ, 3 grs.....	80	3 80
Elaterin Alb., 1-20 gr.....	1 20	5 80	Extract Guarana, 1 gr.....	1 00	4 80
Emmenagogue.....	1 00	4 80	Extract Guarana, 3 grs.....	1 60	7 80
Ergotin, 1 gr.....			Extract Hyoscyami, $\frac{1}{2}$ gr.....	40	1 80
Ferri Sulph. Exsic., 1 gr.....			Extract Hyoscyami, 1 gr.....	50	2 30
Ext. Hellebori Nig., 1 gr.....			Extract Jaborandi (see Ext. Pilocarpi Pennatifol.).....		
Ol. Sabinæ, $\frac{1}{4}$ min.....			Extract Nucis Vomicae, $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{2}$ gr.....	40	1 80
Aloes Soc., 1 gr.....			Extract Opii, $\frac{1}{2}$ gr., $\frac{1}{4}$ gr.....	40	1 80
Ergotin, 1 gr.....	80	3 80	Extract Opii, $\frac{1}{2}$ gr.....	60	2 80
Ergotin, 2 grs.....	1 20	5 80	Extract Opii, 1 gr.....	80	3 80
Ergotin, 3 grs.....	1 60	7 80	Extract Pilocarpi Pennatifol (Jabor- andi), 1 gr.....	40	1 80
Ergotin Comp.....	1 60	7 80	Extract Pilocarpi Pennatifol (Jabor- andi), $\frac{1}{2}$ grs.....	60	2 80
Ergotin, 3 grs.....			Extract Valerianæ, 1 gr.....	60	2 80
Ext. Cannab. Indicae, 1-6 gr.....			Extract Valerianæ, 3 grs.....	80	3 80
Strychniæ, 1-60 gr.....			Fel. Bovini, 3 grs.....	45	2 05
Extract. Belladonnæ, Fol., $\frac{1}{2}$ gr., $\frac{1}{4}$ gr., $\frac{1}{2}$ gr.....	40	1 80	Fel. Bovini, 3 grs.....		
Extract Cannabis Indicae, $\frac{1}{4}$ gr.....	40	1 80	Pulv. Zingib., 1 gr.....		
Extract Cannabis Indicae, $\frac{1}{2}$ gr.....	60	2 80	Ferri Arseniat., 1-20 gr., $\frac{1}{2}$ gr., $\frac{1}{4}$ gr.....	45	2 05
Extract Cascarae Sagradae, 2 grs.....	45	2 05	Ferri Citrat., 2 grs.....	50	2 30
Extract Cascarae Sagradae, 3 grs.....	60	2 80	Ferri Citrat. et Strychniæ.....	60	2 80
Extract Cascarae Sagradae Comp.....	70	3 30	Ferri Citrat., 2 grs.....		
Aloin, $\frac{1}{4}$ gr.....			Strychniæ Citrat., 1-50 gr.....		
Strychniæ, 1-60 gr.....			Ferri Comp., U. S. P.....	45	2 00
Ext. Belladonnæ Fol., 1-10 gr.....			Pulv. Myrrhæ, $1\frac{1}{2}$ grs.....		
Ext. Cascarae Sagradae, 1 gr.....			Ferri Sulph. Exsic., $\frac{1}{4}$ gr.....		
Extract Cascarae Sagradae Nucis Vom. et Belladonnæ.....	80	3 80	Sodæ Carbonatis, $\frac{1}{4}$ gr.....		
Extract Cascarae Sagradae, 2 grs.....			Ferri Dialysati (Scales), 1 gr.....	80	3 80
Extract Nucis Vomicae, $\frac{1}{2}$ gr.....			Ferri Dialysati (Scales), 2 grs.....	1 20	5 80
Extract Belladonnæ, 1-16 gr.....			Ferri Iodidi, 1 gr. (Blancard's) Form.....	40	1 80
Extract Cocæ (See Ext. Erythroxyli).....			Ferri Lactatis, 1 gr.....	45	2 05
Extract Colocynth. Comp., U. S. P., $\frac{1}{2}$ gr.....	40	1 80	Ferri Phosphatis et Strychniæ.....	80	3 80
Extract Colocynth. Comp., U. S. P., 3 grs.....	80	3 80	Ferri Phos., 2 grs.....		
Extract Coloc. Comp., Bellad. et Hy- drarg.....	80	3 80	Strychniæ, 1-60 gr.....		
Pil. Hydrarg., 3 grs.....			Ferri Proto-Carbonat. (Vallet's Mass), 2 grs., 3 grs.....	40	1 80
Ext. Coloc. Comp., 2 grs.....			Ferri Proto-Carbonat. (Vallet's Mass), 5 grs.....	45	2 05
Ext. Belladon., Fol., 1-6 gr.....			Ferri Redact. (Quevenne's), 1 gr.....	40	1 80
Extract Coloc. Comp., Bellad. et Nuc. Vom.....	80	3 80	Ferri Redact. (Quevenne's), 2 grs.....	60	2 80
Ext. Coloc. Comp., 3 grs.....			Ferri Valerianat., 1 gr.....	80	3 80
Ext. Belladon., Fol., $\frac{1}{4}$ gr.....			Ferri et Quiniae Citrat., 1 gr.....	45	2 05
Ext. Nuc. Vom., $\frac{1}{2}$ gr.....			Ferri et Quiniae Citrat., 2 grs.....	80	3 80
Extract Colocynth. Comp. et Hydrarg. Ext. Coloc. Comp., 3 grs.....	80	3 80	Ferri et Quiniae Citrat., 3 grs.....	1 00	4 80
Pil. Hydrarg., 2 grs.....			Ferri et Quiniae Citrat., 5 grs.....	1 25	6 05
Extract Colocynth. Comp., Hydrarg. et Ipecac.....	80	3 80	Ferri, Quiniae et Strychniæ.....	1 00	4 80
Pulv. Ext. Coloc. Comp., 2 grs.....			Ferri Redact., 1 gr.....		
Pil. Hydrargyri, 2 grs.....			Quiniae Sulph., 1 gr.....		
Pulv. Ipecac., 1-6 gr.....			Strychniæ, 1-60 gr.....		
Extract Coloc. Comp. et Hyoscyami... Ext. Coloc. Comp., 2 $\frac{1}{2}$ grs.....	80	3 80	Ferri et Quiniae et Strychniæ Citrat.....	1 00	4 80
Ext. Hyoscyami, $1\frac{1}{2}$ grs.....			Ferri et Quiniae Citrat., 2 grs.....		
Extract Coloc. Comp., Hyosc. et Hy- drarg.....	80	3 80	Strychniæ Citrat., 1-60 gr.....		
Pil. Hydrarg., 2 grs.....			Ferri, Quiniae et Strychniæ Phosphat. 1st form.....	1 40	6 80
Ext. Coloc. Comp., 3 grs.....			Ferri Phosphat., 2 grs.....		
Ext. Hyoscyami, 1 gr.....			Quiniae Phosphat., 1 gr.....		
Extract Coloc. Comp., Hyoscyami et Hydrarg. Chlorid. Nit.....	80	3 80	Strychniæ Phosphat., 1-60 gr.....		
Ext. Coloc. Comp., 3 grs.....			Ferri, Quiniae et Strychniæ Phosphat. 2d Form.....	1 40	6 80
Hydrarg. Chlor., Mit., 1 gr.....			Ferri Phosphat., 2 grs.....		
Ext. Hyoscyami, 1 gr.....			Quiniae Phosphat., 1 gr.....		
Extract Damiana, 3 grs.....	80	3 80	Strychniæ Phosphat., 1-30 gr.....		
Extract Damiana, Nucis Vomicae et Phosphori.....	1 00	4 80	Ferruginous (Blaud's), 1st Form.....	40	1 80
Ext. Damiana, 2 grs.....			Ferri Sulph., $\frac{1}{2}$ grs.....		
Ext. Nucis Vomicae, $\frac{1}{2}$ gr.....			Potass. Carb., $1\frac{1}{2}$ grs.....		
Phosphori, 1-100 gr.....			Ferruginous (Blaud's), 2d Form.....	50	2 30
			Ferri Sulph., $2\frac{1}{2}$ grs.....		
			Potass. Carb., $2\frac{1}{2}$ grs.....		
			Ferruginous (Blaud's) Modified.....	50	2 30
			Ferri Sulph., $2\frac{1}{2}$ grs.....		
			Potass. Carb., $2\frac{1}{2}$ grs.....		
			Acidi Arseniosi, 1-40 gr.....		



W. H. SCHIEFFELIN & CO'S SOLUBLE PILLS AND GRANULES.

In Bottles of 100 500			In Bottles of 100 500		
Guaiacol Carb., 3 grs.	\$2 75	\$13 55	Morphiæ et Atropiæ, 2d Form.	\$0 80	\$ 3 80
Heim's (Niemeier) 1 20	5 80		Morphiæ Sulph., ½ gr.		
Quinine Sulph., 1 gr.			Atropiæ Sulph., 1-100 gr.		
Pulv. Ipecac, ¼ gr.			Morphiæ et Atropiæ, 3d Form.	1 00	4 80
Pulv. Digitalis, Fol., ½ gr.			Morphiæ Sulph., ¼ gr.		
Pulv. Opil, ¼ gr.			Atropiæ Sulph., 1-100 gr.		
Hooper's 40	1 80		Morph. et Belladonna, 1st Form.	50	2 30
Pulv. Aloes, Socot., 24-25 gr.			Morphiæ Sulph., 1-24 gr.		
Ferri Sulph., 12-25 gr.			Ext. Fol. Belladonna, 1-12 gr.		
Ext. Hellebori Nig., 6-25 gr.			Morph. et Belladonna, 2d Form.	60	2 80
Pulv. Myrrh., 6-25 gr.			Morphiæ Sulph., ½ gr.		
Pulv. Saponis, 6-25 gr.			Ext. Fol. Belladonna, ¼ gr.		
Pulv. Canellæ Albæ, 3-25 gr.			Morphiæ Comp. (Dr. Hubbard's)	60	2 80
Pulv. Zingib. Jam., 3-25 gr.			Morphiæ Sulph., ½ gr. (A)		
Hydrargyri Pil., U. S. P., ½ gr., 1 gr.,			Ext. Hyoscyami, 2 grs. (A)		
2 grs., 3 grs. 40	1 80		Camphoræ, 1 gr. (A)		
Hydrargyri Pil., U. S. P., 5 grs. 45	2 05		Morphiæ Comp. (Dr. Hubbard's)	60	2 80
Hydrargyri, Chlor. Corrosiv., 1-60 gr.,			Morphiæ Sulph., 1-6 gr. (B)		
1-50 gr., 1-40 gr., 1-30 gr., 1-20 gr., 1-12			Ext. Hyoscyami, 2 grs. (B)		
gr., ½ gr. 40	1 80		Camphoræ, 1 gr. (B)		
Hydrargyri, Chlor. Mit., 1-20 gr., 1-10 gr.,			Morphiæ Comp. (Dr. Hubbard's)	80	3 80
½ gr., 1-6 gr., ¼ gr., ½ gr., 1 gr., 2 grs.,			Morphiæ Sulph., ¼ gr. (C)		
3 grs. 40	1 80		Ext. Hyoscyami, 2 grs. (C)		
Hydrargyri, Chlor. Mit., 5 grs. 45	2 05		Camphoræ, 1 gr. (C)		
Hydrargyri, Chlor. Mit. et Opil. 60	2 80		Naphthalin, 3 grs. 60	2 80	
Hyd. Chlor. Mit., 2 grs.			Naphthalin, 5 grs. 1 00	4 80	
Opil, Pulv., 1 gr.			Neuralgic (Dr. Gross') 1 70	8 30	
Hydrargyri, Chlo. Mit. et. Rhei. 60	2 80		Quinine Sulph., 2 grs.		
Hydrarg. Chlor. Mit., ¼ gr.			Morphiæ Sulph., 1-20 gr.		
Ext. Coloc. Comp., ½ gr.			Strychniæ, 1-30 gr.		
Ext. Rhei, ½ gr.			Acidi Arseniosi, 1-20 gr.		
Ext. Hyoscyami, 1-6 gr.			Ext. Aconiti, Fol., ½ gr.		
Hydrargyri, Cum Creta, ½ gr. 40	1 80		Neuralgic (Dr. Gross') without Morph. 1 60	7 80	
Hydrargyri, Iodidi Rub., 1-25 gr., 1-16			Neuralgic (Brown-Sequard's) 1 40	6 80	
gr., ½ gr., 1-5 gr., ¼ gr. 40	1 80		Ext. Hyoscyami, ½ gr.		
Hydrargyri, Iodidi Virid., ½ gr., 1-6 gr.,			Ext. Conii, ¼ gr.		
1-5 gr., ¼ gr., ½ gr. 40	1 80		Ext. Ignat. Anaaræ, ½ gr.		
Hydrargyri Tannici Oxydul, (Mercury			Ext. Opil, ½ gr.		
Tannate), 1 gr. 75	3 55		Ext. Aconiti, Fol., ¼ gr.		
Hydrargyri Tannici Oxydul, (Mercury			Ext. Cannab. Ind., ¼ gr.		
Tannate), ½ gr. 55	2 55		Ext. Stramon., 1-5 gr.		
Hyoscyamiæ Alk., 1-300 gr. 50	2 30		Ext. Belladonna, Fol., 1-6 gr.		
Hyoscyamiæ Alk., 1-200 gr. 80	3 80		Neuralgic (Brown-Sequard's), ½ str. 90	4 30	
Hyoscyamiæ Alk., 1-100 gr. 1 50	7 30		Opil Pulv., ½ gr., ¼ gr. 40	1 80	
Hyoscyamiæ Alk., 1-50 gr. 2 00	9 80		Opil Pulv., ½ gr. 50	2 30	
Hyoscine Hydrobrom., 1-200 gr. 1 20	5 80		Opil, U. S. P., 1 gr. 50	2 30	
Ichthyol, 2 grs. 1 00	4 80		Opil et Camphoræ 50	2 30	
Iodoformi, 1 gr. 60	2 80		Pulv. Opil, 1 gr.		
Iodoformi et Ferri. 70	3 30		Camphoræ, 2 grs.		
Ferri Redact. (Quevenne's), 1 gr.			Opil, Camphoræ et Acidi Tannici. 50	2 30	
Iodoformi, 1 gr.			Pulv. Opil, ¼ gr.		
Ipecac. et Opil, 2 grs. (Pulv. Doveri),			Camphoræ, 1 gr.		
U. S. P. 45	2 05		Acidi Tannici, 2 grs.		
Ipecac. et Opil, 5 grs. (Pulv. Doveri),			Opil et Plumbi Acetat. 50	2 30	
U. S. P. 80	3 80		Pulv. Opil, ½ gr.		
Laxative 80	3 80		Plumbi Acet., 1½ grs.		
Resin. Podophylli, ½ gr.			Pepsin, Sacch., 1 gr. 40	1 80	
Pil. Hydrargyri, ½ gr.			Pepsin, Sacch., 2 grs. 50	2 30	
Ext. Coloc. Comp., 3 grs.			Pepsin, Sacch., 3 grs. 60	2 80	
Pulv. Rhei, ½ gr.			Pepsin, Sacch., 5 grs. 80	3 80	
Ol. Carui, ½ min.			Pepsin et Bismuthi 75	3 55	
Leptandrin (Resin Leptandrie), ¼ gr			Pepsin, Sacch., 2 grs.		
Leptandrin (Resin Leptandrie), ½ gr.,			Bismuth. Sub. Nit., 3 grs.		
1 gr. 55	2 55		Pepsin, Bismuthi et Strychniæ. 1 00	4 80	
Manganese Bin-Oxide, 1 gr. 60	2 80		Pepsin, Sacch., 2½ grs.		
Manganese Bin-Oxide, 2 grs. 80	3 80		Bismuth. Sub. Nit., 2½ grs.		
Morphiæ Acetatis, 1-16 gr., ½ gr. 40	1 80		Strychniæ, 1-60 gr.		
Morphiæ Acetatis, ¼ gr. 60	2 80		Petrolei 60	2 80	
Morphiæ Muriatis, ½ gr., 1-6 gr. 40	1 80		Petrolei, 1 gr.		
Morphiæ Muriatis, ¼ gr. 60	2 80		Pisic Liquidæ, 1 gr.		
Morphiæ Sulphatis, 1-32 gr., 1-20 gr.,			Strychniæ Sulph., 1-100 gr.		
1-16 gr., 1-10 gr., 1-8 gr., 1-6 gr. 40	1 80		Magnesiæ Carb., ½ gr.		
Morphiæ Sulphatis, ¼ gr. 60	2 80		Ol. Gaultheriæ, 1-20 gtt.		
Morphiæ Valerianat., ¼ gr. 40	1 80		Phenacetine—Bayer, 2 grs. 1 25	6 05	
Morphiæ et Atropiæ, 1st Form. 60	2 80		Phenacetine—Bayer, 3 grs. 1 65	8 05	
Morphiæ et Atropiæ, 1-24 gr.			Phenacetine—Bayer, 1 grs. 2 00	9 80	
Atropiæ Sulph., 1-200 gr.			Phenacetine—Bayer, 5 grs. 2 30	11 30	



W. H. SCHIEFFELIN & CO'S SOLUBLE PILLS AND GRANULES.

		In Bottles of 100 500				In Bottles of 100 500	
Phenacetine et Caffear Citrat.....	\$2 00	\$ 9 80	Podophyllin et Hydrarg.....	\$ 50	\$ 2 30		
Phenacetine-Bayer, 3 grs.			Resin. Podophylli, $\frac{1}{4}$ gr.				
Caffear Citratis, $1\frac{1}{2}$ grs.			Pil. Hydrarg., $2\frac{1}{2}$ grs.				
Phenacetine et Quinine.....	2 00	9 80	Podophyllin et Leptandrin.....	60	2 80		
Phenacetine-Bayer, 3 grs.			Resin. Podophylli, $\frac{1}{4}$ gr.				
Quiniae Sulphatis, 2 grs.			Resin. Leptandriae, 1 gr.				
Phenacetine et Quinine Comp.			Post Partum (Dr. Fordyce Barker)...	80	3 80		
Prof. W. H. Thompson.....	2 10	10 30	Ext. Coloc. Comp., $1\frac{1}{2}$ grs.				
Phenacetine-Bayer, 3 grs.			Hydrarg. Chlor. Mit. $1\frac{1}{2}$ grs.				
Quiniae Sulphatis, 2 grs.			Ext. Hyoscyami, $\frac{1}{4}$ gr.				
Ext. Aconite Root, 1-12 gr.			Ext. Nuc. Vom., 1-6 gr.				
Pulv. Doveri, $\frac{1}{2}$ gr.			Pulv. Aloes, 1-6 gr.				
Phenacetine et Salicin.....	1 85	9 05	Pulv. Ipecac., 1-6 gr.				
Phenacetine-Bayer, $2\frac{1}{2}$ grs.			Quiniae Muriatis, 2 grs.....	1 20	5 80		
Salicin, $2\frac{1}{2}$ grs.			Quiniae Salicylatis, $2\frac{1}{2}$ grs.....	1 50	7 30		
Phenacetine et Salol.....	2 00	9 80	Quiniae Sulphatis, $\frac{1}{4}$ gr., $\frac{1}{2}$ gr., 1 gr.,				
Phenacetine-Bayer, $2\frac{1}{2}$ grs.			2 grs.....	40	1 80		
Salol, $2\frac{1}{2}$ grs.			Quiniae Sulphatis, 3 grs.....	55	2 55		
Phenacetine et Salol, $\frac{1}{4}$ strength.....	1 20	5 80	Quiniae Sulphatis, 4 grs.....	70	3 30		
Phenacetine et Salol Comp.....	2 00	9 80	Quiniae Sulphatis, 5 grs.....	85	4 05		
Phenacetine-Bayer, 2 grs.			Quiniae Bi-Sulphatis $\frac{1}{4}$ gr., $\frac{1}{2}$ gr., 1 gr.,				
Salol, $1\frac{1}{2}$ grs.			2 grs.....	40	1 80		
Quiniae Sulphatis, $1\frac{1}{2}$ grs.			Quiniae Bi-Sulphatis, 3 grs.....	55	2 55		
Phenacetine et Salophen, 5 grs.....	2 30	11 30	Quiniae Bi-Sulphatis, 4 grs.....	70	3 30		
Phenacetine-Bayer, $2\frac{1}{2}$ grs.			Quiniae Bi-Sulphatis, 5 grs.....	85	4 05		
Salophen, $2\frac{1}{2}$ grs.			Quiniae Valerianatis, $\frac{1}{2}$ gr.....	60	2 80		
Phenacetine et Salophen, $\frac{1}{2}$ strength.....	1 40	6 80	Quiniae Valerianatis, 1 gr.....	80	3 80		
Phenacetine-Bayer, $1\frac{1}{4}$ grs.			Quiniae Valerianatis, 2 grs.....	1 40	6 80		
Salophen, $1\frac{1}{4}$ grs.			Quiniae Acidi Arseniosi et Nucis				
Phenacetine, Salol et Quiniae Salicy-			Vomicae.....	1 00	4 80		
latis.....	2 10	10 30	Quiniae Sulphate, 1 gr.				
Phenacetine-Bayer, 2 grs.			Acidi Arseniosi, 1-60.				
Salol, 2 grs.			Ext. Nucis Vomicae, $\frac{1}{4}$ gr.				
Quiniae Salicylatis, 1 gr.			Quiniae, Aconiti et Morph (Crosby's				
Phosphori, 1-400 gr., 1-200 gr., 1-100 gr.,			Fever Pills).....	1 25	6 05		
1-60 gr., 1-50 gr., 1-25 gr., 1-20.....	50	2 30	Quiniae Sulph., $1\frac{1}{2}$ grs.				
Phosphori, Comp., 1st Form.....	60	2 80	Ext. Fol. Aconiti, 1-6 gr.				
Phosphori, 1-100 gr.			Morphiae Hydrobrom., 1-20 gr.				
Ext. Nucis Vomicae, $\frac{1}{4}$ gr.			Quiniae, Arsenici et Atropiae (Dr.				
Phosphori, Comp., 2d Form.....	60	2 80	Whelan's).....	1 25	6 05		
Phosphori, 1-60 gr.			Quiniae Sulphatis, $1\frac{1}{2}$ gr.				
Ext. Nucis Vomicae, $\frac{1}{4}$ gr.			Liq. Arsenicalis, B. P., 1 min.				
Phosphori Comp., 3d Form.....	60	2 80	Liq. Atropinae, B. P., $1\frac{1}{2}$ min.				
Phosphori, 1-50 gr.			Ext. Gentiana, $1\frac{1}{2}$ grs.				
Ext. Nucis Vomicae, $\frac{1}{2}$ gr.			Quiniae et Aloes.....	65	3 05		
Phosphori et Ferri.....	70	3 30	Quiniae Sulph., $\frac{3}{4}$ gr.				
Phosphori, 1-100 gr.			Pulv. Aloes Socot., $\frac{1}{4}$ gr.				
Ferri Redact. 1 gr.			Quiniae, Aloes et Strychniae Comp.				
Phosphori, Ferri et Nucis Vomicae ...	70	3 30	Mit. (Hubbard's).....	1 10	5 30		
Phosphori, 1-100 gr.			Quiniae Sulph., 1 gr.				
Ferri Phosphat., $\frac{1}{2}$ gr			Pulv. Aloes Soc., $\frac{1}{2}$ gr.				
Ext. Nucis Vomicae, $\frac{1}{2}$ gr.			Piperin, $\frac{1}{2}$ gr.				
Phosphori, Nucis Vomicae et Cantha-			Strychniae Sulph., 1-50 gr.				
ridis.....	70	3 30	Quiniae, Aloes et Strychniae Comp.				
Phosphori, 1-50 gr.			Fort. (Hubbard's).....	1 40	6 80		
Pulv. Nucis Vomicae, 1 gr.			Quiniae Sulph., $1\frac{1}{4}$ grs.				
Concent. Tinct. Canthar., 1 min.			Pulv. Aloes Soc., $\frac{1}{2}$ gr.				
Phosphori et Strychniae.....	70	3 30	Piperin, $\frac{1}{2}$ gr				
Phosphori, 1-50 gr			Strychniae Sulph., 1-40 gr.				
Strychniae, 1-60 gr.			Quiniae, Camphorae et Belladonnae ..	1 50	7 30		
Picrotoxin, 1-80 gr.....	60	2 80	Quiniae Sulph., 3 grs:				
Pilocarpin Muriat, $\frac{1}{2}$ gr.....	1 00	4 80	Camphorae, $\frac{1}{2}$ gr.				
Podophyllin (Resin.) Podophylli, $\frac{1}{2}$			Ext. Belladonnae, $\frac{1}{4}$ gr.				
gr., $\frac{1}{4}$ gr.....	40	1 80	Quiniae et Capsici, 1st Form.....	70	3 30		
Podophyllin (Resin.).....	45	2 05	Quiniae Sulph., 1 gr.				
Podophylli $\frac{1}{2}$ gr., 1 gr.			Pulv. Capsici, $\frac{1}{4}$ gr.				
Podophylli (Dr. E. R. Squibb)			Quiniae et Capsici, 2d Form.....	90	4 30		
Resin. Podophylli, $\frac{1}{4}$ gr.			Quiniae Sulph., 2 grs.				
Capsici, $\frac{1}{2}$ gr.			Pulv. Capsic, $\frac{1}{2}$ gr.				
Ext. Belladonnae Fol., $\frac{1}{2}$ gr.			Quiniae Comp.....	1 00	4 80		
Podophyllin Comp.....	50	2 30	Quiniae Sulphatis, 1 gr.				
Resin. Podophylli, $\frac{1}{2}$ gr.			Ferri Redact., 1 gr.				
Ext. Hyoscyami, $\frac{1}{2}$ gr.			Acidi Arseniosi, 1-32 gr.				
Ext. Nucis Vomicae, 1-16 gr.			Quiniae Comp. et Extract. Taraxaci... 1 10	5 30			
Podophylli Comp. (Dr. Janeway)...	60	2 80	Quiniae Bisulph., $1\frac{1}{4}$ grs.				
Resinae Podoph., $\frac{1}{2}$ gr.			Ferri Sulph. Exsic., 2 grs.				
Pulv. Aloes Socot., 1 gr.			Acidi Arseniosi, 1-24 gr.				
Ext. Belladon., Fol., $\frac{1}{4}$ gr.			Ext. Taraxaci, $1\frac{1}{4}$ grs.				
Ext. Nuc. Vom., $\frac{1}{4}$ gr.							

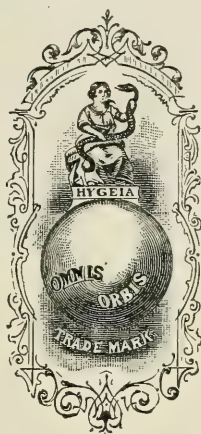


W. H. SCHIEFFELIN & CO'S SOLUBLE PILLS AND GRANULES.

In Bottles of 100 500			In Bottles of 100 500		
Quiniae Comp. et Strychniae.....	\$1 00	\$ 4 80	Salicin, 1 gr	\$ 50	\$ 2 30
Quiniae Sulph., 1 gr.			Salicin, 2 grs.....	75	3 55
Ferri Redact., 1 gr.			Salicin, 3 grs.....	1 00	4 80
Strychniae, 1-20 gr.			Salicin, 5 grs.....	1 35	6 55
Acidi Arseniosi, 1-20 gr.			Salol, 2½ grs.....	70	3 30
Quiniae et Ferri.....	80	3 80	Salol, 5 grs.....	1 00	4 80
Quiniae Sulph., 1 gr.			Salophen, 2½ grs.....	1 40	6 80
Ferri Redact., 1 gr.			Salophen, 5 grs.....	2 30	11 30
Quiniae et Ferri Carbonat	80	3 80	Santonin, 1 gr	60	2 80
Quiniae Sulph., 1 gr.			Santonin et Hydrarg. Chlor. Mit.	80	3 80
Ferri Carb. (Vallet's Mass), 2 grs.			Santonin, 1 gr.		
Quiniae, Ferri et Nucis Vomicae.....	1 00	4 80	Hyd. Chlor Mit., 1 gr.		
Quiniae Sulphatis.			Strophanthi Tinct., 1-20 gr.=one min..	50	2 30
Ferri Carb. (Vallet's Mass) 2 grs.			Strophanthi Tinct., ¼ gr.=five minims, 1 00	4 80	
Ext. Nucis Vomicae, ¼ gr.			Strophanthi et Digitalis Tinct.....	1 10	5 30
Quiniae Ferri et Zinci Valerianat.....	1 45	7 05	Strophanthi Tinct., 3 mins.		
Quiniae Valerianat, 1 gr.			Digitalis Tinct, 6 mins.		
Ferri Valerianat, 1 gr.			Strychniae, 1-100 gr., 1-60 gr., 1-50 gr.,		
Zinci Valerianat, 1 gr.			1-40 gr., 1-32 gr., 1-30 gr., 1-20 gr	40	1 80
Quiniae, Ferri et Zinci Valerianat (½ strength).....	90	4 30	Strychniae Nitratiss, 1-60 gr.....	40	1 80
Quiniae, Ferri et Zinci Valerianat Comp.....	1 45	7 05	Strychniae Sulph., 1-200 gr., 1-100 gr.,		
Quiniae Valerianat, 1 gr.			1-60 gr., 1-50 gr., 1-40 gr., 1-32 gr., 1-30 gr., 1-20 gr.....	40	1 80
Ferri Valerianat, 1 gr.			Strychniae Comp.....	65	3 05
Zinci Valerianat, 1 gr.			Strychniae, 1-100 gr.		
Ext. Nucis Vomicae, ¼ gr.			Phosphori, 1-100 gr.		
Quiniae, Ferri et Strych. Valerianat	1 45	7 05	Ext. Cannabiss Ind., 1-16 gr.		
Quiniae Valerianat, 1 gr.			Ginseng, 1 gr.		
Ferri Valerianat, 1 gr.			Ferri Carb., 1 gr.		
Strychniae Valerianat, 1-60 gr.			Sulfonal-Bayer, 5 grs.....	3 25	16 05
Quiniae, Phosphori et Ferri	1 40	6 80	Sumbul Comp.....	1 20	5 80
Quiniae Sulphatis, 1 gr.			Ext. Sumbul, 1 gr.		
Phosphori, 1-100 gr.			Pulv. Assafoetide, 2 grs.		
Ferri Carb. (Vallet's Mass), 1 gr.			Ferri Sulph. Exsic., 1 gr.		
Ext. Nucis Vomicae, ¼ gr.			Acid Arseniosi, 1-30 gr.		
Quiniae, Phosphori et Nucis Vomicae, 1st form.....	1 40	6 80	Terpin Hydrat., 2 grs	1 00	4 80
Quiniae Sulphatis, 1 gr.			Terpin Hydrat., 5 grs	1 60	7 80
Phosphori, 1-60 gr.			Tonic (Dr. Aiken's).....	1 10	5 30
Ext. Nucis Vomicae, ¼ gr.			Quiniae Sulph., 1 gr.		
Quiniae, Phosphori et Nucis Vomicae, 2d form.....	1 40	6 80	Acidi Arseniosi, 1-50 gr.		
Quiniae Sulphatis, 1 gr.			Strychniae, 1-50 gr.		
Phosphori, 1-50 gr.			Ferri Redact., ¼ gr.		
Ext. Nucis Vomicae, ¼ gr.			Tonic Laxative (Skene).....	1 20	5 80
Quiniae et Strychniae	80	3 80	Quiniae Sulph., 1 gr.		
Quiniae Sulph., 1 gr.			Ext. Belladonnae, 1-10 gr.		
Strychniae, 1-60 gr.			Ext. Colocynt Comp., ½ gr.		
Rhei Comp., U. S. P.	50	2 30	Triplex.....	50	2 30
Pulv. Rhei, 2 grs.			Pulv. Aloes Socot., 2 grs.		
Pulv. Aloes Socot., 1½ grs.			Pil. Hydrarg., 1 gr		
Pulv. Myrrh., 1 gr			Resin. Podophylli, ¼ gr.		
Ol. Menth. Pip., 1-10 gtt.			Triplex (Dr. Francis')	80	3 80
Rhei et Hydrargyri.....	50	2 30	Pulv. Scammon. Virg., 1 1-5 grs.		
Pil. Hydrarg., 2½ grs.			Pulv. Aloes Soc., 1 1-5 grs.		
Pulv. Rhei, 1 gr.			Pil. Hydrarg., 1 1-5 grs.		
Soda Carb. Exsic., ½ gr.			Ol. Tigllii, 1-20 min		
Rhei et Sodii Carb	50	2 30	Ol. Carui, ¼ min.		
Pulv. Rhei, 2 grs.			Tinct Aloes et Myrrh., q. s		
Pulv. Sodii Carb. Exsic., 1 gr.			Warburg's Tincture (representing one-half drachm each)	1 20	5 80
Rhei, U. S. P	50	2 30	Warburg's Tincture (representing one drachm each)	2 00	9 80
Pulv. Rhei, 3 grs.			Warburg's Tincture (without Aloes, representing ½ drachm each)	1 20	5 80
Pulv. Saponis, 1 gr.			Warburg's Tincture (without Aloes, representing 1 drachm each)	2 00	9 80
Rheumatic	80	3 80	Zinci Oxidi, 1 gr., 2 grs	40	1 80
Ext. Coloc. Comp., 1½ grs.			Zinci Phosphidi, 1-12 gr., 1-6 gr., ¼ gr.	45	2 05
Ext. Colch. Acet., 1 gr			Zinci Phosphidi, ½ gr	65	3 05
Ext. Hyoseyami, ¼ gr.			Zinci Phosphidi et Nucis Vomicae....	60	2 80
Hyd. Chlor. Mit., ¼ gr.			Zinci Phosphid., 1-10 gr.		
Rhinitis (Dr. Rhodes)	80	3 80	Ext. Nucis Vomicae, ¼ gr.		
Ext. Belladonnae Fol., 1-12 gr.			Zinci Sulphocarbolatis, 2½ grs	50	2 30
Camphore, 1 gr.			Zinci Sulphocarbolatis, 5 grs	75	3 55
Quiniae Mur., 1½ grs.			Zinci Valerianatis, ¼ gr	40	1 80
			Zinci Valerianatis, ½ gr	45	2 05
			Zinci Valerianatis, 1 gr.....	60	2 80
			Zinci Valerianatis, 2 grs	75	3 55

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ABERNETHY'S (Aperient).	1	\$0 50 \$2 25	ALTERNATIVE	1 to 2	\$0 25 \$1 10.
Pulv. Aloes Soc't, 2 grs.			Med. prop.—Alternative, with		
Pulv. Ipecac, 5 6 gr.			tendency to mercurial im-		
Pil. Hydrarg., 1 gr.			pression.		
Ext. Hyoscyam., 2 grs.			Mass. Hydrargri, 1 gr.		
ACID ARSENIOUS, 1-20, 1-30, 1-40	1 to 2	20 85	Pulv. Opil, ½ gr.		
Med. prop.—Antiperiodic, Al-			Pulv. Ipecac, ½ gr.		
terative.			ALTERNATIVE TONIC (Dr. Carl		
ACONITIA. 1-60 gr	1 to 2	50 2 25	Seiler)	1	50 2 25.
Med. prop.—Sedative.			Med. prop.—Alternative, Tonic.		
AGUE	2 to 4	40 1 85	Hyd. Bichlor. Cor., 1-72 gr.		
Med. prop.—Stimulating pur-			Ac. Arsen., 1-96 gr.		
gative.			Ferri Pyrophos., ¼ gr.		
ALOE'S, COMPOUND. (See Pil.			Quin. Sul., ½ gr.		
Gentian Compound)	2 to 4	25 1 10	ANALEPTIC.	1 to 4	35 1 60
Med. prop.—Tonic, Purgative.			Med. prop.—Stimulant, Dia-		
ALOE'S ET ASAFETIDA, U. S. P.	2 to 5	25 1 10	phoretic.		
Med. prop.—Purgative, Anti-			Pv. Atimonialis, ¾ gr.		
spasmodic.			Pv. Rhs. Guaiaci, 1 gr.		
ALOE'S ET FERRI, U. S. P.	1 to 3	25 1 10	Pv. Aloes Soc., ¾ gr.		
Med. prop.—Tonic, Purgative.			Pv. Myrrh., ½ gr.		
Purified Aloes, 1 gr.			ANODYNE	1 to 2	45 2 10
Aromatic Powder, 1 gr.			Med. prop.—Anodyne.		
Ferri Sulph. Exsic., 1 gr.			Pv. Camphor, 1 gr.		
Confection Rose, q. s.			Morphin. Acetas., 1-20 gr.		
ALOE'S ET MASTICH, U. S. P.			Ext. Hyoscyam., 1 gr.		
(Lady Webster).	1 to 2	25 1 10	Ol. Res. Capsici, 1-20 gr.		
Med. prop.—Stimulating pur-			ANTIBILIOUS (Vegetable) ...	2 to 3	40 1 85
gative.			Med. prop.—Cholagogue cath-		
ALOE'S ET MYRRH, U. S. P.	3 to 6	25 1 10	artic.		
Med. prop.—Cathartic, Em-			Pv. Ext. Coloc. Co., 2½ grs.		
menagogue.			Podophyllin, ¼ gr.		
ALOIN. ¼ gr	1 to 2	25 1 10	ANTICHILL	1 to 2	40 1 85
Med. prop.—Laxative.			Med. prop. Antiperiodic. Ap-		
ALOIN COMP	1 to 2	30 1 35	plicable to obstinate inter-		
Med. prop.—Tonic, Laxative.			mittents.		
Aloin, ½ gr.			Chinoidin, 1 gr.		
Ext. Belladonna, ¼ gr.			Ferri Ferrocyam., 1 gr.		
Res. Podophylli, ½ gr.			Ol. Pig. Nig., 1 gr.		
ALOIN ET NUC VOMER BELLAD	1 to 2	35 1 60	Ac. Arsenious, 1-20 gr.		
Med. prop.—Laxative, Tonic.			ANTICONSTIPATION. (Palmer)	1 to 2	35 1 60.
Aloin, 1-5 gr.			Aloes Socot., 1 gr.		
Ext. Nuc Vom., ¼ gr.			Ext. Hyoscyam., 1 gr.		
Ext. Belladon., ½ gr.			Ext. Nux. Vom., ½ gr.		
ALOIN ET STRYCHNIN. ET			Pv. Ipecac, 1-10 gr.		
BELLADON.	1 to 2	35 1 60	ANTIDYSPEPTIC. (Pothergill)	1	45 2 10
Med. prop.—Tonic, Laxative.			Pv. Ipecac, ¾ gr.		
Aloin, 1-5 gr.			Strychnin, 1-20 gr.		
Strychnina, 1-60 gr.			Pv. Piper. Nig., 1½ grs.		
Ext. Belladon., ½ gr.			Ext. Gentian, 1 gr.		

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ANTIMALARIAL.....	1 to 2	\$ 80 \$ 75	ASAFCETIDA, 2 grs....	2 to 4	\$ 20 \$ 85
Med. prop.—Antimalarial.			Med. prop.—Nerve stimulant.		
Quinina Sul., 1 gr.			ASAFCETIDA ET ALOES	2 to 5	20 85
Cinchonin Sul., $\frac{1}{2}$ gr.			Med. prop.—Purgative, Anti-		
Ferri Sul. Exs., $\frac{1}{4}$ gr.			spasmodic.		
Ac. Arsenious, 1-40 gr.			ASTRINGENT.....	1 to 2	35 1 60
ANTIMALARIAL (Philadelphia)	1 to 2	75 3 50	Med. prop.—Astringent.		
Med. prop.—Antimalarial.			Ext. Geranii, 2 grs.		
Ferri Sulph., 1 gr.			Pv. Opil, $\frac{1}{4}$ gr.		
Pv. Capsici, $\frac{1}{8}$ gr.			Ol. Menth. Pip., 1-20 gtt.		
Cinchonid. Sulph., 2 grs.			Ol. Res. Zingiber., 1-20 gtt.		
Strychnina, 1-30 gr			ATROPINÆ SULPH. 1-60 gr.		
ANTISEPTIC. (Warner).....	1 to 3	60	and 1-100 gr	1 to 2	40 1 85
Med. prop.—Pil. Antiseptic is			Med. prop.—Anodyne.		
prescribed with great ad-			BISMUTH SUBNIT. 3 grs....	1 to 5	45 2 10
vantage in cases of Dyspep-			Med. prop.—Sedative, Antipe-		
sia attended with Acid Stom-			riodic.		
ach and Enfeebled Digestion			BISMUTH ET NUC. VOMICA.....	1 to 2	80 3 85
following an over indulgence			Med. prop.—Sedative, Tonic.		
in eating or drinking. It is			Bismuth. Subcarb., 4 grs.		
also useful in Rheumatism.			Ext. Nuc. Vomica, $\frac{1}{4}$ gr.		
Sulphite Soda, 1 gr.			BLAUD (Ferruginous), 3 grs ...	1 to 4	25 1 10
Salicylic Acid, 1 gr.			Med. prop.—Tonic.		
Ext. Nux. Vom., $\frac{1}{4}$ gr.			BLENNORRHAGIC (Warner's)	1 to 2	65 3 10
ANTISEPTIC COMP. (Warner)	1 to 3	60	Terrebinth Alba, $\frac{1}{2}$ grs.		
Med. prop.—Used with great			Ext. Humuli, $\frac{1}{4}$ gr.		
advantage in cases of Dys-			Camphor Monobrom., $\frac{1}{4}$ gr.		
pepsia, Indigestion and Mal-			Res. Podophyl., $\frac{1}{2}$ gr.		
assimilation of food.			CALCIUM SULPHIDE. 1-10 gr.		
Sulphite Soda, 1 gr.			and $\frac{1}{2}$ gr.	2 to 4	25 1 10
Salicylic Acid, 1 gr.			Med. prop.—Useful in Cutane-		
Ext. Nux. Vom., $\frac{1}{8}$ gr.			ous diseases.		
Powd. Capsicum, 1-10 gr.			CALCIUM SULPHIDE. $\frac{1}{4}$ gr.	2 to 3	25 1 10
Concent. Pepsin, 1 gr.			Med. prop.—Useful in Cutane-		
ANTISPASMODIC.	1 to 2	45 2 10	ous diseases.		
Med. prop.—Antispasmodic.			CALCIUM SULPHIDE. 1 gr....	1 to 2	35 1 60
Ext. Hyoscyami, $\frac{1}{2}$ gr.			Med. prop.—Useful in Cutane-		
Morphinae Acetas., 1-10 gr.			ous diseases.		
Brom. Camphor, $\frac{1}{2}$ gr.			CALOMEL. 1-10, 1-6, $\frac{1}{2}$, 1, 2 and		
Pv. Capsici, $\frac{1}{2}$ gr.			3 grs	1 to 3	20 85
APERIENT.....	1 to 2	50 2 35	Med. prop.—Alternative.		
Med. prop.—Aperient, Tonic.			CALOMEL ET OPII.....	1	50 2 35
Ext. Nux. Vom., $\frac{1}{4}$ gr.			Med. prop.—Cathartic, Ano-		
Ext. Hyoscyami, $\frac{1}{2}$ gr.			dyne.		
Ext. Coloc. Co., 2 grs.			Calomel, 2 grs.		
APERIENT. (Dr. Fordyce Bar-			Opium, 1 gr.		
ker).	1 to 2	50 2 35	CAMPHOR. 1 gr.....	1 to 2	30 1 35
Med. prop.—Aperient.			Med. prop.—Diaphoretic, Car-		
Ext. Coloc. Co., $1\frac{1}{2}$ grs.			minative.		
Ext. Nuc. Vom., $\frac{1}{2}$ gr.			CAMPHOR ET EXT. HYOSCY-		
Ext. Hyoscyam., $1\frac{1}{4}$ grs.			AMUS.....	1 to 2	30 1 35
Pulv. Ipecac., 1-12 gr.			Med. prop.—Anodyne, Cerebral		
Pulv. Aloes Socot., 5-12 gr.			Stimulant.		
Res. Podophylli., 1-12 gr.			Camphor, 1 gr		
ARTHROSIA. (Warner's)....	2 to 4	60	Ext. Hyoscyami, Eng. 1 gr.		
Med. prop.—Antilithic, Tonic,			CASCARA CATHARTIC.		
Alternative.			(Dr. Hinkle).	1 to 2	60
Acid Salicylic.			Cascarin.		
Ext. Colchicum.			Aloin, aa $\frac{1}{4}$ gr.		
Ext. Phytolacca.			Podophyllin, 1-6 gr.		
Res. Podophylli.			Ext. Belladon, $\frac{1}{8}$ gr.		
Quinina.			Strychnin., 1-60 gr.		
Pv. Capsici.			Gingerine, $\frac{1}{8}$ gr.		

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CATHART. COMP., U. S. P....	2 to 4	\$0 25 \$1 10	COCCIA	2 to 4	\$0 50 \$2 35
Med. prop.—Cathartic.			Med. prop.—Hydragogue cathartic.		
CATHART. COMP., IMP. 3 grs..	2 to 4	25 1 10	Pulv. Res. Scammony, 1 gr.		
Med. prop.—Cathartic.			Pulv. Soc. Aloes, 1¼ grs.		
Ext. Coloc. Comp.			Pulv. Colocynth, ½ gr.		
Ext. Jalap.			Potass. Sulph., ½ gr.		
Podophyllin, Leptandrin.			Ol Carophyl., ½ gr.		
Ext. Hyoscyami.			COLOCYNTH ET HYDRARG.		
Ext. Gentian.			ET IPECAC.	1 to 3	45 2 10
Ol. Menth. Pip.			Med. prop.—Cholagogue cathartic.		
CATHART. COMP. VEGETABLE. 2½ grs.	2 to 3	25 1 10	Pulv. Ext. Coloc. Comp., 2 grs.		
Med. prop.—Cathartic.			Pil. Hydrarg. 2 grs.		
Podophyllin, Scammony			Pulv. Ipecac, ½ gr.		
Ext. Colocynth.			COPAIBA COMP.	2 to 4	45 2 10
Aloes, Soap and Cardamon.			Med. prop.—Alternative to mucous membrane Tonic.		
CAULOPHYLLIN. 1-10 gr.	1 to 4	25 1 10	Pil. Copaib.		
Med. prop.—Emmenagogue.			Resin. Guaiac.		
CERII OXALAS. 1 gr.	1 to 3	40 1 85	Ferri Cit.		
Med. prop.—Nerve tonic.			Oleo-Resin, Cubeba.		
CHALYBEATE. 3 grs.	1 to 5	40	COPAIBA ET EXT. CUBEB.	2 to 4	50 2 35
Med. prop.—Antichlorotic.			Med. prop.—Alternative to mucous membrane.		
Ferri Sulph., 1½ grs.			Pil. Copaib., 3 grs.		
Potassa Carb., 1½ grs.			Oleo-Resin, Cubeba, 1 gr.		
CHALYBEATE COMPOUND (Warner's)	1 to 3	60	CORROSIVE SUBLIMATE. 1-12, 1-16, 1-20, 1-24, 1-30, 1-40, 1-50, 1-60 and 1-100 gr.	1 to 2	20 85
Med. prop.—Employed in the treatment of Anemia, Chlorosis, Phthisis, etc.			Med. prop.—Mercurial alternative.		
Chalybeate Mass, 2 grs.			DAMIANA CUM PHOSPH. ET NUC. VOM.	1 to 2	90 4 35
Ext. Nuc. Vom., ½ gr.			Med. prop.—Aphrodisiac.		
CHALYBEATE SALINE (Dr. Austin Flint)	40 1 85		Ext. Damiana, 2 grs.		
Med. prop.—Tonic.			Phosphorus, 1-100 gr.		
Sodium Chloride, 3 grs.			Ext. Nuc. Vom., ½ gr.		
Potass. Sulphate, 1-10 grs.			DIARRHŒA	1 to 2	25 1 10
Sodium Carb., 3-5 gr.			Med. prop.—		
Calcium Phos. Prec., ½ gr.			Calomel, ½ gr.		
Ferri Reduct., 9-20 gr.			Opium, ¼ gr.		
Potass. Chloride, 3-20 gr.			Pv. Capsici, 1-16 gr.		
Potass. Carb., 1-20 gr.			Pv. Ipecac, 1-32 gr.		
Magnes. Carb., 1-20 gr.			Camphor, 1-16 gr.		
Calcium Carb., 1-20 gr.			DIGESTIVA	1 to 2	50 2 25
Ferri Carb., 1-20 gr.			Med. prop.—Useful in Indigestion.		
CHINOIDIN COMP.	1 to 2	45 2 10	Pepsin Concentrat., 1 gr.		
Med. prop.—Tonic, Antiperiodic.			Pv. Nuc. Vom., ¼ gr.		
Chinoidin, 2 grs.			Gingerine, 1-16 gr.		
Ferri Sulph., Exsic., 1 gr.			Sulphur, 18 gr.		
Piperin, ½ gr.					

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DIGITALIS COMP	1 to 3	\$0 30 \$1 35	GELSEMIN. ¼ gr.	1 to 2	\$0 45 \$2 10
Med. prop.—Arterial sedative.			Med. prop.—Arterial sedative.		
Pulv. Digitalis, 1 gr.			GENTIAN. COMP	2 to 4	25 1 10
Pulv. Scilla, 1 gr.			Med. prop.—Tonic, Purgative.		
Potass. Nit., 2 grs.			Ext. Gentian, ½ gr.		
DIURETIC.	1 to 3	30 1 35	Pv. Aloes Soc., 2 grs.		
Med. prop.—Diuretic, Antacid.			Ol. Carui, 1-5 gr.		
Sapon. Hispan. Pulv., 2 grs.			GONORRHEA.	1 to 3	35 1 60
Sodii Carb. Exsic., 2 grs.			Med. prop.—Tonic, Alternative		
Ol. Baccæ junip., 1 gtt.			to mucous membrane.		
EMMENAGOGUE	1 to 3	70 3 35	Pulv. Cubeb., 2 grs.		
Med. prop.—Active emmena-			Bals. Copaib., solid, 1 gr.		
gogue, Tonic.			Ferri Sulph., ½ gr.		
Ergotin, 1 gr.			Venet. Terebinth., ½ gr.		
Ext. Hellebor. Nig., 1 gr.			HEPATIC	1 to 2	45 2 10
Aloes, 1 gr.			Med. prop.—Cholagogue cat-		
Ferri Sul. Exs., 1 gr.			hartic.		
Ol. Sabinæ, ½ gr.			Pil. Hydrarg., 3 grs.		
ERGOTIN. 2 grs.	1 to 2	90 4 35	Ext. Coloc. Comp., 1 gr.		
Med. prop.—Parturient.			Ext. Hyoscyami, 1 gr.		
EUONYMIN. 1 gr.	1 to 3	1 00 4 75	HYDRARG. 5 grs.	1 to 2	25 1 10
Med. prop.—Tonic, Laxative,			Med. prop.—Mercurial alter-		
Diuretic.			ative.		
EXTRACT BELLADONNA			HYDRARG., BIN IODIDE.		
(Eng.) ¼ gr.	1 to 3	25 1 10	1-16 gr.	1 to 3	20 85
Med. prop.—Anodyne.			Med. prop.—Alternative.		
EXT. GUARANA. 3 grs.	1 to 3	1 50 7 35	HYDRARG. PROT IODIDE. ¼ gr	1 to 4	20 85
Med. prop.—Nervine.			Med. prop.—Alternative.		
EXT. HYOSCYAMUS (Eng.) ½ gr	1 to 3	30 1 35	HYDRARGYRI IOD. ET OPII.		
Med. prop.—Nerve stimulant.			(Ricord's).	1 to 2	45 2 10
EXT. IGNATIA AMARA. ¼ gr	1 to 2	30 1 35	Med. prop.—Mercurial altera-		
Med. prop.—Nerve sedative.			tive.		
EXT. NUC VOMICA. ¼ and ½ gr	1 to 2	25 1 10	Hydrarg. Iodid., 1 gr.		
Med. prop.—Nerve stimulant.			Pulv. Opii, ½ gr.		
FERRI CARB. (Vallet's) U. S. P.			HYDRASTIN. ½ gr	1 to 2	65 3 10
3 grs.	1 to 4	25 1 10	Med. prop.—Cathartic.		
Med. prop.—Tonic.			IODIFORM ET FERRI	1 to 2	70 3 35
FERRI ET STYCHNIN	1 to 2	45 2 10	Med. prop.—Tonic, alternative.		
Med. prop.—Tonic, Nerve stim-			Iodoform, 1 gr.		
ulant.			Ferri Red., 1¼ grs.		
Strychnin., 1-60 gr.			IODIFORM ET FERRI ET NUC.		
Ferrum per Hydros. (Que-			VOM.	1 to 2	75 3 60
venne's), 2 grs.			Med. prop.—Tonic, Alternative.		
FERRI IODID. U. S. P., 1 gr.	1 to 2	40	Iodoform, 1 gr		
Med. prop.—Tonic, Alternative.			Ferri Red., 1 gr.		
FERRI PYROPHOS. 1 gr.	1 to 3	25 1 10	Ext. Nuc. Vom., ¼ gr.		
Med. prop.—Tonic.			IPECAC. ET OPII. 3¼ grs. (Pulv.)		
FERRUM (Quevenne's). 1 gr.	1 to 3	25 1 10	Ipecac. Comp., U. S. P.	1 to 3	50 2 35
Med. prop.—Tonic.			Med. prop.—Anodyne, Soporific		
GELSEMIN. 1-16 gr.	1 to 4	25 1 10			
Med. prop.—Arterial sedative.					

PIL. CHALYBEATE Three Grains Dose: 1 to 4 Pills

AS PREPARED ONLY BY WM. R. WARNER & CO., CHEMISTS.

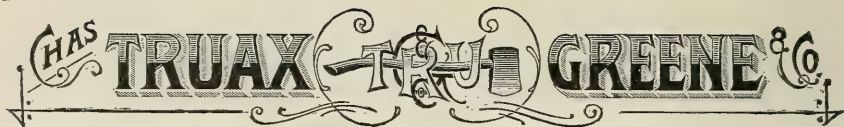
COMPOSITION—Ferri Sulph. Fe SO₄ } Ferri Carb. Fe CO₃.
Potass. Carb. K₂ CO₃ } Potass. Sulph. K₂ SO₄. Price 40c. per 100.

The above combination which we have successfully and scientifically put in pill form produces, when taken into the stomach, Carbonate of the Protoxide of Iron (Ferrous Carbonate) in a quickly assimilable condition.

PROF. NIEMEYER says: "For more than twenty years I have used this formula almost exclusively in Chlorosis, and have witnessed such brilliant results from them in a large number of cases that I have never needed any opportunity to experiment with other articles. At Madgeburg and Greifswald I often had to send my recipe for the pills to a great distance, my good fortune in the treatment of Chlorosis—to which, bye-the-bye, I owe the rapid growth of my practice—having given me great repute as the possessor of a sovereign remedy against that disease."

The dose of Pil. Chalybeate is from 1 to 4 at meal time, and is recommended and successfully used in the treatment of Pulmonary Phthisis or Consumption, Anæmia and Chlorosis, Caries and Scrofulous Abscesses, Chronic Discharges, Dyspepsia, Loss of Appetite, etc.

Pil. Chalybeate Comp.—A splendid tonic. Has Ext Nux Vomica added to each pill as above. Price 60c. per 100.



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SOLUBLE COATED PILLS.	DOSE.	PRICE. 100's 500's	SOLUBLE COATED PILLS.	DOSE.	PRICE. 100's 500's
IRISIN COMP.	1 to 2	\$0 30 \$1 35	OPII ET PLUMBI ACETAS. .	1 to 2	\$0 40 \$1 85
Med. prop.—Cathartic, Nerve stimulant.			Med. prop.—Anodyne, Astringent.		
Irisin, $\frac{1}{4}$ gr.			Pulv. Opii, $\frac{1}{2}$ gr.		
Podophyllin, 1-10 th gr.			Plumbi Acet., $\frac{1}{2}$ grs.		
Strychnin, 1-40 gr.			OPII, U. S. P., 1 gr.	1	40 1 85
LAPACTICÆ	1 to 2	40 1 85	Med. prop.—Anodyne.		
Aloin, $\frac{1}{4}$ gr.			PETROLEII COMP.		60 2 75
Strychnin, 1-60 gr.			Med. prop.—Recommended in Consumption and wasting diseases.		
Ext. Belladon, $\frac{1}{8}$ gr.			Mass. Petroleii, 1 gr.		
Ipecac, 1-16 gr.			Pix Liquida, 1 gr.		
LAXATIVE	1 to 2	35 1 60	Magnes Carb., $\frac{1}{2}$ gr.		
Med. prop.—Gentle purgative.			Strychnin Sul., 1-100 gr.		
Pulv. Aloes Soc., 1 gr.			Ol. Gaultheria, 1-20 gr.		
Sulphur, 1-5 gr.					
Res. Podophylli, 2-5 gr.			PHOSPHORI COMP.	1	25
Res. Guaiac, $\frac{1}{2}$ gr.			Med. prop.—Nerve tonic.		
Syr. Rhamni, q. s.			Phosphori, 1-100 gr.		
LEPTAND. COMP.	1 to 2	55 2 60	Ext. Nuc. Vom., $\frac{1}{4}$ gr.		
Med. prop.—Laxative, diuretic.					
Leptandrin, 1 gr.			PHOSPHORI CUM ALOE ET NUC. VOMICA.	1	30
Irisin, $\frac{1}{4}$ gr.			Med. prop.—Useful in the atonic form of Dyspepsia and Neurosis of the stomach.		
Res. Podophylli, $\frac{1}{2}$ gr.			Phosphori, 1-50 gr.		
LEPTANDRIN, $\frac{1}{2}$ gr.	1 to 4	25 1 10	Ext. Aloes Aq., $\frac{1}{2}$ gr.		
Med. prop.—Cathartic.			Ext. Nuc. Vom., $\frac{1}{4}$ gr.		
LUPULIN COMP., 2 grs.		60 2 75			
Lupulin, Gelsemin and Alumin.			PHOSPHORI CUM CANTHARIDE CO.	1 to 2	45
MORPHINÆ ACETAS, $\frac{1}{8}$ gr.	1 to 2	35 1 60	Med. prop.—Stimulating emmenagogue and diuretic.		
Med. prop.—Anodyne.			Phosphori, 1-50 gr.		
MORPHINÆ MURIAS, $\frac{1}{4}$ gr.	1 to 2	50 2 35	Pv. Nuc. Vom., 1 gr.		
Med. prop.—Anodyne, Soporific.			Sol. Cantharidis Conct., 1 m.		
MORPHINÆ SULPH., 1-10 gr.	1 to 2	25 1 10			
Med. prop.—Anodyne.			PHOS. CUM FERRO COMP. (Warner's)	1	45
MORPHINÆ SULPH., $\frac{1}{8}$ gr.	1 to 2	25 1 10	Med. prop.—Nutritive, Tonic and Stimulant to the Nervous system.		
Med. prop.—Anodyne.			Phosphori, 1-50 gr.		
MORPHINÆ SULPH., $\frac{1}{4}$ gr.	1 to 2	35 1 60	Strychnin, 1-60 gr.		
Med. prop.—Anodyne.			Ferri Redact., $\frac{1}{2}$ gr.		
MORPHINÆ SULPH., $\frac{1}{2}$ gr.	1	55 2 60			
Med. prop.—Anodyne.			PHOSPHORI CUM FERRO ET NUC. VOM.	1 to 2	35
NEURALGIC, (Gross)	1 to 3	1 00 4 85	Med. prop.—Nerve Stimulant.		
Med. prop.—Tonic, Alterative, Anodyne.			Phosphori, 1-100 gr.		
Quinin. Sulph., 2 grs.			Ferri Carb., 1 gr.		
Morphin Sulph., 1-20 gr.			Ext. Nuc. Vom., $\frac{1}{4}$ gr.		
Strychnin, 1-30 gr.					
Acid Arsinious, 1-20 gr.			PHOSPHORI CUM FERRO ET STRYCHNINA	1 to 2	35
Ext. Aconiti, $\frac{1}{2}$ gr.			Med. prop.—Nerve Tonic and Stimulant.		
NEURALGIC, (Brown-Sequard).	1	90 4 35	Phosphori, 1-100 gr.		
Med. prop.—Anodyne.			Ferri Carb., 1 gr.		
Ext. Hyoscyami, $\frac{1}{2}$ gr.			Strychnin, 1-60 gr.		
Ext. Conii, $\frac{1}{2}$ gr.					
Ext. Ignat. Am., $\frac{1}{4}$ gr.					
Ext. Opii, $\frac{1}{2}$ gr.					
Ext. Aconiti, $\frac{1}{2}$ gr.					
Ext. Cannab. L., $\frac{1}{4}$ gr.					
Ext. Stramon., 1-5 gr.					
Ext. Bellad., 1-6 gr.					
OPII ET CAMPHOR. ET TANNIN	1 to 3	35 1 60			
Med. prop. Anodyne, Sedative.					
Pulv. Opii, $\frac{1}{4}$ gr.					
Camphor, 1 gr.					
Acid. Tannic, 2 grs.					

ELIXIR SALICYLIC ACID COMP.

PREPARED ONLY BY WM. R. WARNER & CO.

This preparation combines in a pleasant and permanent form, in each fluidrachm, the following: R. Acid. Salicylic (Schering's), Cimicifuga Potass Iodid., Tr. Gelsemium. So prepared as to afford a permanent, potent and reliable remedy in *Rheumatism, Gout, Lumbago, Etc.*

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SOLUBLE COATED PILLS.	DOSE.	PRICE. 100's 500's	SOLUBLE COATED PILLS.	DOSE.	PRICE. 100's 500's
PHOSPHORI CUM OPIO ET DIGITALIS.....	1 to 2	\$0 50	QUININA ET FERRI CARB.....	1 to 2	\$0 50 \$2 35
Med. prop.—Useful in arresting Abnormal calorification.			Med. prop.—Tonic, Antiperiodic.		
Phosphori, 1-50 gr.			Quininæ Sul., 1 gr.		
Pv. Digitalis, ½ gr.			Ferri Carb. (Vallet's), 2 grs.		
Pv. Ipecac., ¼ gr.			QUININA ET FERRI CIT. 2 grs...	1 to 2	30 1 35
Pv. Opii, ¼ gr.			Med. prop.—Tonic, Antiperiodic.		
PHOSPHORI CUM STRYCHNINA.....	1	35	QUININA ET FERRI ET STRYCHNINA.....	1 to 2	55 2 60
Med. prop.—Nerve tonic and Stimulant.			Med. prop.—Tonic, Antiperiodic.		
Phosphori, 1-50 gr.			Quinin. Sulph. 1 gr.		
Strychnin, 1-60 gr.			Ferri Carb. (Vallet's), 2 grs.		
PHOSPHORI ET DAMIANA CUM NUC. VOM.....	1 to 2	90	Strych. Sulph., 1-60 gr.		
Med. prop.—Aphrodisiac.			QUININA ET HYDRARG	1 to 2	50 2 35
Ext. Damiana, 2 grs.			Med. prop.—Tonic, Antiperiodic.		
Phosphori, 1-100 gr.			Quinin. Sulph., 1 gr.		
Ext. Nuc. Vom., ½ gr.			Mass. Hydrarg., 2 grs.		
PODOPHYLLI (Dr. E. R. Squibb).	1 to 2	45 \$2 10	Oleo-Resin. Piper. Nig., ¼ gr.		
Res. Podophylli, ¼ gr.			QUININA ET STRYCHNIN	1 to 2	50 2 35
Capsicum, ½ gr.			Med. prop.—Tonic, Nerve stimulant.		
Ext. Belladon., ½ gr.			Quininæ Sul., 1 gr.		
PODOPHYLLIN., ¼ gr.....	1 to 4	20 85	Strychnin., 1-60 gr.		
Med. prop.—Cathartic.			QUININA ET STRYCHNIN COMP	1	60 2 85
PODOPHYLLIN COMP.....	1 to 2	40 1 85	Med. prop.—Tonic, Alterative.		
Med. prop.—Cathartic and Tonic.			Quininæ Sulph., 1 gr.		
Podophyllin, ½ gr.			Ferrum per Hyd., 1½ grs.		
Ext. Hyoseyami, ½ gr.			Strychnin., 1-20 gr.		
Ext. Nuc. Vomica, 1-16 gr.			Ac. Arsenious, 1-20 gr.		
PODOPHYLLIN COMP. (Electic)	2 to 4	40 1 85	QUININÆ SULPH. ½ gr.....	1 to 4	20 85
Med. prop.—Purgative.			Med. prop.—Tonic, Antiperiodic.		
Podophyllin, ½ gr.			QUININÆ SULPH. 1 gr.....	1 to 3	25 1 10
Leptandrin, 1-16 gr.			Med. prop.—Tonic, Antiperiodic.		
Juglandin, 1-16 gr.			QUININÆ SULPH. 2 grs.....	1 to 3	35 1 50
Macrotin, 1-32 gr.			Med. prop.—Tonic, Antiperiodic.		
Ol. Res. Capsici, q. s.			QUININÆ SULPH. 3 grs.....	1 to 2	40 1 65
POST-PARTUM (Dr. Fordyce Barker)	1	65 3 10	Med. prop.—Tonic, Antiperiodic.		
Ext. Coloc. Comp., 1½ grs.			QUININÆ SULPH. 5 grs.....	1 to 2	60.....
Hydrarg. Chlor. Mit., 1½ gr.			Med. prop.—Tonic, Antiperiodic.		
Ext. Hyoseyami, ½ gr.			RHEI COMP., U. S. P.....	2 to 4	40 1 85
Ext. Nuc. Vom. 1-6 gr.			Med. prop.—Purgative.		
Pulv. Aloes, 1-6 gr.			Pulv. Rhei, 2 grs.		
Pul. Ipecac., 1-6 gr.			Purified Aloes, 1½ grs.		
POTASS. BROMID, 5 grs.....	1 to 2	60 2 85	Myrrh, 1 gr.		
Med. prop.—Nervous sedative. (Made from Merck's Salt.)			Ol. Menth. Pip., 1-10 gr.		
PRANDII.....	1 to 2	50 2 25	RHEI ET HYDRARG. 4 grs...	2 to 5	40 1 85
Med. prop.—Stimulating purgative.			Med. prop.—Cholagogue cathartic.		
Ext. Aloes. Aq., 1 gr.			Pulv. Rhei.		
Ext. Gentian, 2 grs.			Mass. Hydrarg.		
Ext. Anthem., 1 gr.			Sodii Carb. Exs.		
Pv. Capsici, ¼ gr.			RHEUMATIC.....	1 to 3	55 2 60
QUININÆ COMP.....	1 to 2	50 2 35	Med. prop.—Antirheumatic, Purgative.		
Med. prop.—Tonic, Antiperiodic.			Ext. Coloc. Co., 1½ grs.		
Quinin Sulph., 1 gr.			Ext. Colehici Acet., 1 gr.		
Ferri Carb. (Vallet's), 2 grs.			Ext. Hyoseyami, ½ gr.		
Acid Arsenious, 1-60 gr.			Hydrarg. Chlor. Mit., ¼ gr.		
QUININA CUM CAPSICUM.....	1 to 3	50 2 35	SALICYLIC ACID. 2½ grs...	1 to 2	50 2 35
Med. prop.—Antiperiodic, Stimulant.			Med. prop.—Antirheumatic.		
Quininæ Sulph., 1 gr.			SALICYLIC ACID. 5 grs...	1 to 2	90 4 35
Capsicum, ¼ gr.			Med. prop.—Antirheumatic.		

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SOLUBLE COATED PILLS.	DOSE.	PRICE. 100's 500's	SOLUBLE COATED PILLS.	DOSE.	PRICE. 100's 500's
SALICYLIC ACID COMP. (See Cinchon. Co.).....			STRYCHNINA. 1-20 gr.....	1	\$0 20 \$0 85
SANTONIN. 1 gr.....	1 to 3	\$50 0 \$2 35	Med. prop.—Nerve stimulant, Tonic.		
Med. prop.—Anthelmintic.			SUMBUL COMP.....	1 00	4 85
SALINE CHALYBEATE. (Dr. Austin Flint).....	1	40 1 85	Ext. Sumbul, 1 gr.		
Med. prop.—Tonic.			Asafetida, 2 grs.		
Sodium Chloride, 3 grs.			Ferri Sulph. Exsic., 1 gr.		
Potass Sulphate, 1-10 gr.			Acid Arsen., 1-40 gr.		
Sodium Carb., 3-5 gr.			SVAPNIA ½ gr. (Purified Opium)	1 to 2	80 3 75
Calcium Phos. Prec., ½ gr.			Med. prop.—Anodyne, Soporific		
Ferri Reduct., 9-20 gr.			SYPHILITIC.....	1 to 2	60 2 85
Potass. Chloride, 3-20 gr.			Med. prop.—Specific alterative.		
Potass. Carb., 1-20 gr.			Potass. Iod., 2½ grs.		
Magnes. Carb., 1-20 gr.			Hyd. Chlor. Corros., 1-40 gr.		
Calcium Carb., 1-20 gr.			TONIC.....	2 to 3	35 1 60
Ferri Carb., 1-20 gr.			Med. prop.—Tonic.		
SALUTIN (Dr. T. G. Thomas)....	1 to 2	50 2 35	Ext. Gentian, 1 gr.		
Aloin, ½ gr.			Ext. Humuli, ½ gr.		
Ext. Hyoscy., ½ gr.			Ferri Carb. Sacch., ¼ gr.		
Ext. Nuc. Vom., ½ gr.			Ext. Nuc. Vomica, 1-20 gr.		
Ext. Belladon., 1-16 gr.			Res. Podophylli, 1-25 gr.		
SEDATIVE.....	1 to 2	45 2 10	Oleo. Res. Zingiber, 1-10 gtt.		
Med. prop.—Sedative.			TRIPLEX.....	2 to 4	40 1 85
Ext. Sumbul, ½ gr.			Med. prop.—Purgative.		
Ext. Valerian, ½ gr.			Aloes Socot., 2 grs.		
Ext. Hyoscyami, ½ gr.			Podophyllin, ¼ gr.		
Ext. Cannab. Ind., 1-10 gr.			Mass. Hydrard., 1 gr.		
STOMACHIC (Lady Webster), U. S. P.....	1 to 2	25 2 10	TRIPLEX, IMPROVED.....	2 to 4	40 1 85
Med. prop.—Stimulating pur- gative.			Med. prop.—Purgative.		
Aloes Soc., 2 grs.—Gum Mas- tich, ½ gr.			Pulv. Scammon. Vir., 1 1-5 gr.		
Fol. Rosæ, ½ gr.			Pulv. Aloes Soc., 1 1-5 gr.		
STRYCHNINA. 1-50 gr.....	1 to 2	20 85	Pil. Hydrarg., 1 1-5 gr.		
Med. prop.—Nerve stimulant, Tonic.			Ol. Tigllii, 1-20 min.		
STRYCHNINA. 1-32 gr.....	1 to 2	20 85	Ol. Carui, ¼ min.		
Med. prop.—Nerve stimulant, Tonic.			Tr. Aloes et Myrrh, q. s.		
STRYCHNINA. 1-24 gr.....	1	20 85	ZINC PHOSPHIDE AND NUX VOM.....	1 to 3	50 2 35
Med. prop.—Nerve stimulant, Tonic.			Med. prop.—Tonic, Stimulant.		
			Zinc. Phos. 1-10 gr.		
			Ext. Nuc. Vom., ¼ gr.		
			ZINC VALERIAN, 1 gr.....	1 to 3	60 2 85
			Med. prop.—Antispasmodic.		

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℞ Ol. Res. Sumbul, 1 gr. Asafetida, gr. Ferri Sulph. Exs., 1 gr. Ac. Arsenious, 1-30 gr.
 "I use this pill for nervous and hysterical women who need building up. The combination of
 this Pill is used with advantage in conjunction with Warner & Co's Bromo-Soda." One to two pills
 taken three times a day. Per 100, \$1.00 Sent by mail.

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Pocket Cases, with any twenty selections, for the use of Practitioners, \$5.00 net. Pocket Cases, with any ten selections, for the use of Practitioners, \$2.50 net. All kinds, 25 cts. per 100. Buggy or hand cases, with 40 varieties, \$10.00 net.

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ACIDI ARSENIOSI.....1-100 gr. Med. prop.—Alternative, Antiperiodic.	ERGOTINÆ.....1-10 gr. Med. prop.—Emmenagogue, Parturient.
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ACIDI TANNICI.....1-20 gr. Med. prop.—Astringent.	GELSEMINI RAD.....1-50 gr. Med. prop.—Nervous and Arterial Sedative.
ACONITI RAD.....1-20 gr. Med. prop.—Narcotic, Sudorific.	HYDRARG. BI-CHLOR.....1-100 gr. Med. prop.—Mercurial, Alternative.
ALOIN.....1-10 gr. Med. prop.—A most desirable cathartic.	HYDRARG. CUM CRETA.....1-10 gr. Med. prop.—Alternative.
AMMONIA CHLORIDI.....1-10 gr. Med. prop.—Diuretic, Stimulant.	HYDRARG. IODID.....1-20 gr. Med. prop.—Alternative.
ANTIMONII ET POTASS. TART.....1-100 gr. Med. prop.—Expectorant, Alternative.	HYDRASTIN.....1-20 gr. Med. prop.—Tonic, Astringent.
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BELLADONNÆ FOL.....1-20 gr. Med. prop.—Narcotic, Diaphoretic, Diuretic.	MORPHIÆ SULPH.....1-50 gr. Med. prop.—Narcotic, Sedative.
CALOMEL.....1-20 gr. Med. prop.—Alternative, Purgative.	NUCIS VOMICA.....1-50 gr. Med. prop.—Tonic, Stimulant.
CALOMEL.....1-10 gr. IPECAC.....1-10 gr. Med. prop.—Alternative, Purgative.	OPII.....1-40 gr. Med. prop.—Narcotic, Sedative, Anodyne.
CAMPHORÆ.....1-20 gr. Med. prop.—Diaphoretic, Carminative.	PHOSPHORUS.....1-200 gr. Med. prop.—Nerve stimulant.
CANTHARIDIS.....1-50 gr. Med. prop.—Diuretic, Stimulant.	PIPERINÆ.....1-20 gr. Med. prop.—Tonic, Antiperiodic, Carminative.
CAPSICI.....1-20 gr. Med. prop.—Stimulant and Carminative.	PODOPHYLLINI.....1-40 gr. Med. prop.—Cathartic, Cholagogue.
CATHARTIC COMP. OFFICIAL.....½ gr. Med. prop.—Cathartic.	POTASS. ARSENITIS.....1-100 gr. Med. prop.—Alternative.
CATHARTIC COMP. IMP.....½ gr. Med. prop.—Cathartic.	POTASS. NITRATIS.....1-10 gr. Med. prop.—Diuretic and Refrigerant.
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DOVER'S POWDER.....½ gr. Med. prop.—Anodyne, Soporific.	SANTONINE.....1-10 gr. Med. prop.—Anthelmintic.
	STRYCHNINE.....1-100 gr. Med. prop.—Nerve Stimulant, Tonic.

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Messrs. Wm. R. Warner & Co. solicit orders for your Special Recipes, and beg to say that their facilities for the manufacture of

Soluble Sugar and Gelatin Coated Pills,

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Warner & Co's Sugar-Coated Triturates consist of the medicinal ingredient and pure Sugar of Milk, thoroughly mixed and incorporated together by trituration.

The ready solubility or diffusibility of the tablets in water and in the fluids of the stomach is worthy of the physician's attention.

Triturates, to be genuine preparations, must be made in accordance with certain well-defined principles. They must have the precise quantity of medicament they are alleged to contain, and they must be accurate in dose. The medicinal agent should be uniformly distributed through the whole mass.

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Per Bottle of 1000 each.		Per Bottle of 1000 each.	
Acetanilid, 1 gr	\$0 85	Digitalis Tinct., 5 min	1 25
Acid Arseniosum, 1-20 gr., 1-30 gr., 1-40 gr., 1-60 gr., 1-100 gr.	85	Digitalis Tinct., 1 min	85
Aconite Tinct., 2 min	1 00	Dover's Powder, 1 gr	85
Aconite Tinct., 1 min., ½ min., ¼ min	85	Dover's Powder, 3½ grs	1 50
Aconitina, (Duquesnel's), 1-500 gr	1 50	Elaterin, 1-10 gr	10 50
Aconitina, (Duquesnel's), 1-200 gr	2 00	Ergot Fluid Extract, 1 min	1 00
Aloin, ½ gr	1 20	Gelsemin Concentration, 1-10 gr	1 25
Aloin, 1-5 gr., 1-10 gr	85	Gelseminum Tinct., ¼ min	85
Aloin and Belladon. Co. R A	1 00	Hydrastin White Alk., ¼ gr	3 75
Aloin, 1-5. Strych., 1-60. Bellad. ½ gr.		Hydrastis Canaden. Tinct., 3 min	1 00
Aloin, Belladon. and Podophyllin	1 50	Ipecac Fluid Extract, 1 min	1 75
Aloin, ½. Ex. Bel., ½. Podoph. ½ gr.		Iron and Arsenic Comp	85
Aloin Comp. R A	1 00	Red. Iron, 1. P. Iguaa., 1-40. Ar., 1-100 gr.	
Aloin ½ gr. Podophyllin, ½ gr.		Iron, Arsenic and Strych., R A	85
Ammonium Muriate, ½ gr	85	Red. Iron, 1. Strych. Sul., 1-60. Ar. 1-100 gr.	
Arsenic Bromide, 1-60 gr	85	Iron by Hydrogen (Quevenne's), 1 gr	85
Arsenic Iodide, 1-20 gr., 1-100 gr	85	Iron and Quinine Cit., 1 gr	1 50
Apomorphine Hydrochl., 1-20 gr	3 25	Iron, Quinine and Strych	1 75
Apomorphine Hydrochl., 1-50 gr	2 00	Reduced Iron, ½ gr. Quin. Sul., ½ gr.	
Atropine Sulph., 1-100 gr	1 00	Strych. Sul., 1-120 gr.	
Atropine Sulph., 1-200 gr	85	Jaborandi, Fluid Extract, 1 min	1 00
Belladon. Tinct., 5 min	1 25	Lithium Carbonate, 1 gr	1 40
Belladon. Tinct., 3 min., 1 min	1 00	Lobelia Seed Tinct., 1 min	85
Bismuth Subcarb., 2 grs	2 00	Lupulin, Fluid Extract, 1 min	1 00
Bismuth Subnit., 1 gr	1 35	Mercury Biniodide, 1-16 gr	85
Blood Root Tinct., 3 min	1 00	Mercury Protiodide, 1-5 gr., ¼ gr	85
Blue Pill, ½ gr	85	Mercury with Chalk, ¼ gr	1 00
Blue Pill Comp	1 25	Mercury with Chalk, ½ gr	85
Blue Pill, ½. P. Ipec., ½. P. Op., ½ gr.		Morphine Acetate, ½ gr	2 25
Brown Mixture, equivalent half-teaspoon.	1 00	Morphine and Aconite	1 25
Caffein, ½ gr	2 00	Mor. Sul., 1-32 gr. Tinct. Aconite, 1 min.	
Calcium Sulph., ½ gr	85	Morphine and Atropine, R E	3 50
Calomel, ¼ gr., 1-10 gr	85	Morph. Sul., ¼ gr. Atrop. Sul., 1-120 gr.	
Calomel and Dover's Powder, R A	1 00	Morphine Sulph., ½ gr	4 50
Calomel, ¼ gr. Dover's Powder, 1 gr.		Morphine Sulph., ¼ gr	2 75
Calomel, Ipecac Sodium Bicarb	85	Morphine Sulph., ½ gr	1 75
Calomel, 1-5 gr. Sodium Bicarb., 1 gr.		Morphine Sulph., 1-6 gr	2 40
Pv. Ipecac., 1-10 gr.		Nux Vomica, Solid Extract, ¼ gr	85
Calomel and Sodium Bicarb R A	85	Nux Vomica, Tinct., 3 min	1 00
Calomel, 1-10 gr. Sodium Bicarb., 1 gr.		Nux Vomica, Tinct., 2 min	1 00
Cannabis Indica Tinct., 2 min	1 00	Nux Vomica, Tinct., 1 min	85
Cantharides Tinct., 1 min	1 00	Opium Camph. Tinct., 5 min	1 25
Capsicum Tinct., 2 min	85	Opium Powdered, ¼ gr	85
Cathart. Comp. Imp., 1-5 gr., 1-10 gr	85	Pepsin Pure, 1 gr	2 75
Cathart. Comp. U. S. P., 1-5 gr	85	Pilocarpine Hydrochl., 1-5 gr	6 50
Cathart. Comp. Veg., 1-5 gr	85	Pilocarpine Hydrochl., 1-20 gr	2 25
Cerium Oxalate, 1 gr	1 20	Podophyllin, ¼ gr., 1-10 gr., 1-20 gr	85
Cimicifuga Tinct., 1 min	85	Pulsatilla Tinct., 2 min	1 00
Coca Fluid Ext., 1 min., ½ min	1 00	Quinine Sulph., 1 gr	1 50
Colchicum Root Fluid Ext., 1 min	85	Quinine Sulph., ½ gr	1 25
Colocythin, 1-20 gr	6 50	Salicin, ½ gr	1 25
Convallamarin, 1-50 gr	2 00	Spartine Sulph., 1-10 gr	2 25
Copper Arsenite, 1-100 gr., 1-5000 gr	85	Strophanthus Tinct., 2 min	1 50
Corrosive Sublimate, 1-100 gr., 1-200 gr	85	Strophanthus Tinct., 1 min	1 00
Croosote, Beechwood, 1-10 min	85	Strychnine, 1-100 gr., 1-200 gr	85
Cubeb, Fluid Extract, 1 min	1 25	Strychnine Sulph., 1-50 gr	85
Damiana Fluid Extract, 1 min	1 25	Tannic Acid, 1 gr	1 00
Digitalin, Pure, 1-75, 1-100	1 25	Tartar Emetic, 1-50 gr	85
Digitalin, Pure, 1-200	1 00	Veratrum Viride Tinct., 2 min	1 00
		Veratrum Viride Tinct., 2 min	85
		Veratrum Viride Tinct., ½ min	85

Write for complete list of Tablet Triturates.

PREPARED BY

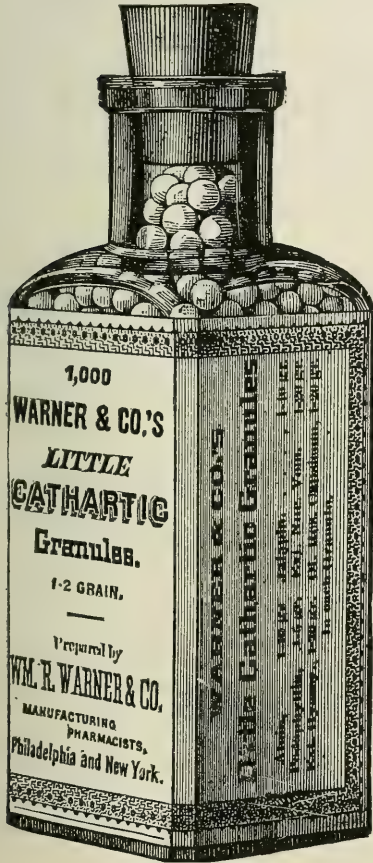
WILLIAM R. WARNER & CO., Manufacturing Chemists,

1228 Market Street, Philadelphia.

197 Randolph Street, Chicago.

CHAS. TRUAX & CO. GREENE & CO.

WARNER & CO.'S
Little Cathartic Granules.



R Aloin.....	1-10 gr.
Podophyllin.....	1-5 gr.
Ext. Hyosey.....	1-20 gr.
Jalapin	1-10 gr.
Ext. Nuc. Vom	1-20 gr.
Ol. Res. Capsicum.....	1-20 gr.

IN EACH GRANULE.

1,000,	\$0.85
10,000,	8.00

Net.

Special quotations for large
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WM. R. WARNER & CO.,
PHILADELPHIA CHICAGO
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WARNER & CO.'S
Bromo Soda.

WM. R. WARNER & CO. Manufacture a complete line of Granular Effervescent Salts and Fluid Extracts. Complete list upon application.



Price, 75 Cents Per Bottle.



...QUICKLY SOLUBLE...

HYPODERMIC TABLETS.

In compliance with repeated requests from the Medical profession to manufacture *quickly soluble* Tablets for subcutaneous medication, we respectfully call attention to the following list.

We desire to emphasize the statement, that in undertaking the manufacture of these delicate agents, we have devoted much time and labor in bringing them to a state of perfection; in this we have been assisted by the co-operation of our medical friends.

We claim (and a candid comparison will convince any one) for our soluble tablets the following points of superiority, viz:—

1. They are quickly and entirely soluble.
2. They are permanent in form and accurate in dose.
3. They are safe and rapid in action.

FORMULÆ AND PRICE LIST OF

WARNER & Co's TABLETS

NOTE.—Our Tablets are put up in tubes containing twenty; also in vials containing 100 Tablets. When ordering please specify Wm. R. WARNER & Co's HYPODERMIC TABLETS.

DISCOUNT 25 PER CENT.

WARNER & CO'S SOLUBLE HYPODERMIC TABLETS.	Per Bottle 100 Tablets	Per Tube 20 Tablets.	WARNER & CO'S SOLUBLE HYPODERMIC TABLETS.	Per Bottle 100 Tablets.	Per Tube 20 Tablets
Aconitine, Pure Cyst..... 1-120 gr.	\$0 70	\$0 18	MORPHINE AND ATROPINE No. 7.	\$0 50	\$0 14
Apomorphine Muriate..... 1-20 gr.	60	16	Morphine Sulph. 1-6 gr.		
Apomorphine Muriate..... 1-10 gr.	90	23	Atropine Sulph. 1-150.		
Atropine Sulphate..... 1-120 gr.	35	11	MORPHINE AND ATROPINE No. 9.	50	14
Atropine Sulphate..... 1-60 gr.	40	12	Morphine Sulph. ¼ gr.		
Cocaine Hydrochlorate..... 1-8 gr.	50	14	Atropine Sulph. 1-300.		
Cocaine Hydrochlorate..... 1-4 gr.	90	23	MORPHINE AND ATROPINE No. 10.	55	15
Codeine Sulphate..... 1-8 gr.	70	18	Morphine Sulph. ¼ gr.		
Codeine Sulphate..... 1-4 gr.	1 00	24	Atropine Sulph. 1-120 gr.		
Conine Hydrobromate..... 1-100 gr.	30	10	MORPHINE AND ATROPINE No. 11.	60	16
Conine Hydrobromate..... 1-50 gr.	60	18	Morphine Sulph. ¼ gr.		
Digitaline, Pure..... 1-100 gr.	30	10	Atropine Sulph. 1-60 gr.		
Digitaline, Pure..... 1-60 gr.	50	14	MORPHINE AND ATROPINE No. 13.	75	19
Duboisine Sulphate..... 1-100 gr.	50	14	Morphine Sulph. ½ gr.		
Duboisine Sulphate..... 1-60 gr.	80	20	Atropine Sulph. 1-150 gr.		
Ergotin..... 1-6 gr.	60	16	MORPHINE AND ATROPINE No. 14.	75	19
Eserine Sulphate..... 1-60 gr.	80	20	Morphine Sulph. ½ gr.		
Hyoscyne Hydrobromate..... 1-100 gr.	80	20	Atropine Sulph. 1-120 gr.		
Mercury Corros. Chloride..... 1-60 gr.	30	10	Physostigmine Sulph. 1-60 gr.		
Mercury Corros. Chloride..... 1-150 gr.	30	10	(See Eserine Sulph.)..		
Morphine Muriate..... 1-8 gr.	35	11	Pilocarpine Muriate..... 1-5 gr.	1 50	40
Morphine Muriate..... 1-6 gr.	45	13	Pilocarpine Muriate..... ¾ gr.	90	22
Morphine Muriate..... 1-4 gr.	50	14	Pilocarpine Muriate..... 1-20 gr.	50	14
Morphine Sulphate..... 1-8 gr.	30	10	Pilocarpine Nitrate..... 1-20 gr.	50	14
Morphine Sulphate..... 1-6 gr.	35	11	Pilocarpine Nitrate..... ¾ gr.	90	22
Morphine Sulphate..... 1-4 gr.	40	12	Pilocarpine Nitrate..... ¼ gr.	1 70	38
Morphine Sulphate..... 1-2 gr.	65	17	Sodium Arseniate..... 1-30 gr.	30	10
MORPHINE AND ATROPINE No. 1.	45	13	Strychnine Nitrate..... 1-150 gr.	50	14
Morphine Sulph. ½ gr.			Strychnine Nitrate..... 1-100 gr.	35	11
Atropine Sulph. 1-300 gr.			Strychnine Sulphate..... 1-150 gr.	30	10
MORPHINE AND ATROPINE No. 2.	45	13	Strychnine Sulphate..... 1-120 gr.	30	10
Morphine Sulph. 1-6 gr.			Strychnine Sulphate..... 1-100 gr.	30	10
Atropine Sulph. 1-180.			Strychnine Sulphate..... 1-60 gr.	30	10
MORPHINE AND ATROPINE No. 3.	50	14	STRYCHNINE AND ATROPINE		
Morphine Sulph. ¼ gr.			No. 1.	50	10
Atropine Sulph. 1-150 gr.			Strychnine Sulph. 1-50 gr.		
MORPHINE AND ATROPINE No. 4.	60	16	Atropine Sulph. 1-150 gr.		
Morphine Sulph. 1 gr.			STRYCHNINE AND ATROPINE		
Atropine Sulph. 1-100.			No. 2	50	14
MORPHINE AND ATROPINE No. 6.	50	14	Strychnine Sulph. 1-30 gr.		
Morphine Sulph. 1-8 gr.			Atropine Sulph. 1-120 gr.		
Atropine Sulph. 1-100 gr.					

SOLD BY CHAS. TRUAX, GREENE & CO., CHICAGO.



HENRY THAYER & CO'S FLUID EXTRACTS.

DISCOUNT 20 PER CENT.

ADDITIONS TO THE LIST ARE CONSTANTLY BEING MADE.

Put up in 1 lb. bottles, 5 lb. bottles and 4 oz. phials.	1 lb. prlb.	5 lb. prlb.	4 oz. prdoz.
Abcess Root, <i>Polemonium Reptens</i>	\$1 10	\$1 05	\$4 40
Aconite Leaves, <i>Aconitum Fol</i>	1 00	95	4 25
Aconite Root, <i>Aconitum Napellus</i>	1 20	1 15	4 75
Assayed. 10. c. c. of this Fluid Extract require 5.6 c. c. Mayer's Solution N 1-20 for complete precipitation. It also answers to the physiological test of Dr. Squibb.			
Agrimony, <i>Agrimonia Eupatoria</i>	95	90	4 00
Allanthur, <i>Allanthurus Glandulosa</i>	1 50	1 45	5 60
Allspice, <i>Pimenta</i>	80	75	3 50
Aloes, <i>Socotrine</i>	1 50	1 45	5 60
Aloes and Myrrh, for tinctures.....	1 65	1 60	6 00
American Ivy, <i>Ampelopsis Q</i>	1 00	95	4 25
American Valerian, <i>Cypripedium</i>	1 25	1 20	4 75
Angelica Root, <i>Archangelica Atropur</i>	95	90	4 00
Angustura, <i>Cusparia</i>	1 25	1 20	4 75
Anise Seed, <i>Pimpinella Anisum</i>	1 25	1 20	4 75
Apple Tree Bark, <i>Pyrus Malus</i>	1 10	1 05	4 40
Apocynum Can.....	1 10	1 05	4 40
Aralia Comp. Amer Ph.....	1 10	1 05	4 40
Arbor Vitae, <i>Thuja Occidentalis</i>	1 40	1 35	5 25
Areca Nut, <i>Semen Areca</i>	2 00	1 95	7 00
Arnica Flowers, <i>Arnica Montana</i>	1 20	1 15	4 75
Arnica Root, <i>Arnica Mont. Rad</i>	1 00	95	4 25
Aromatic Powder.....	2 00	1 95	7 00
<i>Asclepias Incar</i>	95	90	4 00
Ash Bark, White, <i>Fraxinus Acumin</i>	1 10	1 05	4 40
Ash Bark, Black, <i>Frax. Sambucifolia</i>	80	75	3 50
Assafetida.....	1 35	1 30	5 15
Avens Root, <i>Geum Rivale</i>	80	75	3 50
Bael Fruit, <i>Fructus Bala</i>	2 20	2 15	7 75
Balm of Gilead Buds, <i>Populus Can</i>	1 10	1 05	4 40
Balm Sweet, <i>Melissa</i>	1 00	95	4 25
Balm Lemon, <i>Dracocephalum</i>	1 00	95	4 25
Balmoney, <i>Chelone Glabra</i>	80	75	3 50
Balsam of Fir Bark, <i>Abies Balsamea</i>	1 00	95	4 25
Bamboo Briar, <i>Smilax</i>	1 50	1 45	5 60
Barberry Bark, <i>Berberis</i>	95	90	4 00
Bayberry, <i>Myrica Cerifera</i>	70	65	3 20
Bearsfoot, <i>Polygonia Uredalia</i>	1 50	1 45	5 60
<i>Belladonna</i>	1 35	1 30	5 15
Assayed. 0.400 per cent. Atropia. 10 c. c. of this Fluid Extract requires 6.2 c. c. Mayer's Solution N 1-20 for complete precipitation.			
<i>Belladonna. Radix</i>	1 35	1 30	5 15
Assayed. 0.500 percent. Atropia. 10 c. c. of this Fluid Extract require 7.8 c. c. Mayer's Solution N 1-20 for complete precipitation.			
Benzoin Comp., for tinctures.....	2 00	1 95	7 00
Beth Root, <i>Trillium</i>	95	90	4 00
Bitter Root, <i>Apocynum Andros</i>	1 10	1 05	4 40
Bittersweet, <i>Dulcamara</i>	80	75	3 50
Bittersweet, False, <i>Celastrus Scan</i>	1 10	1 05	4 40
Black Alder, <i>Prinos Versicolor</i>	80	75	3 50
Blackberry Comp.....	1 20	1 15	4 75
Blackberry Root, <i>Rubus Villosus</i>	1 00	95	4 25
Black Birch Bark, <i>Betula Lenta</i>	80	75	3 50
Black Pepper, <i>Piper Nigrum</i>	1 75	1 70	6 50
Black Walnut Bark, <i>Juglans Nigra</i>	80	75	3 50
Black Willow Bark, <i>Salix Nigra</i>	1 25	1 20	4 75
Black Willow Buds, <i>Salix Nigra</i>	1 80	1 75	6 50
Bladder Wrack, <i>Fucus Vesicu</i> . See Sea Wrack.			
Blessed Thistle, <i>Centaurea Benedicta</i>	1 00	95	4 25
Bloodroot, <i>Sanguinaria Canad</i>	1 05	1 00	4 30
Assayed. 1 per cent. Sanguinaria. 10. c. c. of this Fluid Extract requires 10 c. c. of Mayer's Solution N 1-20 for complete precipitation.			
Blue Flag, <i>Iridis</i>	1 05	1 00	4 30
Boldo Leaves, <i>Pueunus Boldo</i>	3 00	2 95	10 00



HENRY THAYER & CO'S FLUID EXTRACTS.

Put up in 1 lb. bottles, 5 lb. bottles and 4 oz. phials.

	1 lb. prib.	5 lb. prib.	4 oz. pr doz.
Boneset, <i>Eupator Perfol</i> ...	\$0 90	\$0 85	\$0 3 75
Boxwood Bark, <i>Cornus Florida</i> ...	80	75	3 50
Broom Top, <i>Scoparius</i> ...	95	90	4 00
Bryony, <i>Bryonia Alba</i> ...	1 10	1 05	4 40
Buchu, <i>Barosma</i> . U. S. P.	1 75	1 70	6 50
Buchu, Compound...	1 40	1 35	5 25
Buchu and Pareira Brava	1 75	1 70	6 50
Buckbean Leaves, <i>Menanthes Trifol</i> ...	1 10	1 05	4 40
Buckeye Bark, <i>Aesculus Glabra</i> ...	1 10	1 05	4 40
Buckhorn, <i>Osmunda</i> ...	70	65	3 20
Buckthorn, (fresh berries), <i>Rham. Cath.</i> ...	1 00	95	4 25
Buckthorn Bark, <i>Rham. Cath.</i> ...	1 00	95	4 25
Buckthorn Bark, <i>Rham Frangula</i> ...	1 00	95	4 25
Bugle-weed, <i>Lycopus</i> ...	80	75	3 50
Burdock Root, <i>Lappa</i> ...	90	85	3 75
Burdock Seed, <i>Lappa</i> ...	1 10	1 05	4 40
Butternut, <i>Juglandis</i> ...	1 00	95	4 25
Button Bush, <i>Cephalanthus Occidentalis</i> ...	1 00	95	4 25
Button Snakeroot, <i>Liatris Spicata</i> ...	80	75	3 50
Calabar Bean, <i>Physostigma V</i> ...	3 30	3 25	11 00
California Balsam, <i>Gnaphalium</i> ...	2 20	2 15	7 75
Canada Snake Root, <i>Asarum Can</i> ...	1 10	1 05	4 40
<i>Cannabis Indica</i> ...	1 65	1 60	6 00

Assayed, 10 per cent resin. 10c. c. of this Fluid Extract when concentrated and poured into 25. c. c. of water, the precipitate washed and dried at 100 c. will weigh 1.00 gm.

Cancer Root, <i>Orobancha Vir</i> ...	1 35	1 30	5 15
Canella, <i>Canell Alba</i> ...	80	75	3 50
Cantharides, <i>Cantharis Ves</i> ...	4 00	3 95	13 00
Caraway, <i>Carui</i> ...	1 10	1 05	4 40
Careba Leaves, <i>Jacaranda Procera</i> ...	3 30	3 25	11 00
Cardamom, <i>Elettaria Cardamomum</i> ...	3 00	2 95	10 00
Cardamom Compound	2 00	1 95	7 00
Cascara Amarga, <i>Picramnia</i> ...	2 75	2 70	9 40
Cascara Sagrada, <i>Rham. Purshiana</i> ...	1 25	1 20	4 75
Cascara Sagrada, <i>Rham. Purshiana</i> . Tasteless	1 25	1 20	4 75
Cascarilla, <i>Croton Eleuteria</i> ...	80	75	3 50
Castor Leaves, <i>Ricinus Communis</i> ...	1 60	1 55	6 00
Catechu, <i>Catechu Pallidum</i> ...	1 10	1 05	4 40
Catmint, <i>Catoria</i> ...	70	65	3 20
Cayenne, <i>Capsicum</i> ...	1 65	1 60	6 00
Celery Seed, <i>Apium Graveolens</i> ...	1 50	1 45	5 60
Centaury, Red, <i>Sabbatia</i> ...	80	75	3 50
<i>Cereus Grandiflora</i> ...	4 00	3 95	13 00

This Extract is made from the FRESH FLOWERS ONLY, which are gathered when in full bloom and packed in alcohol under our special directions. This ensures a preparation far superior to any made of Cactus stems, either fresh or dried.

Chamomile, <i>Anthemis</i> ...	1 00	95	4 25
Chamomile, German, <i>Matricaria</i> ...	80	75	3 50
Cheken, <i>Eugenia Chequen</i> ...	4 00	3 95	13 00
Checkerberry, <i>Gaultheria</i> ...	70	65	3 20
Cherry Bark, <i>Prunus Vir</i> ...	95	90	4 00
Cherry Bark, Compound	80	75	3 50
Chestnut Leaves, <i>Castanea Vesca</i> ...	80	75	3 50
Chestnut Oak, <i>Quercus Denisiflora</i> ...	1 40	1 35	5 25
Chicory, <i>Cichorium Intybus</i> ...	95	90	4 00
Chiretta, <i>Agatholes Chirayta</i> ...	1 35	1 30	5 15
Cinchona	1 40	1 35	5 25
Cinchona, Arom	1 40	1 35	5 25
Cinchona—Calisaya Cinchona—True Red, U. S. P. 1880. Highest grade of bark, testing not less than 2 per cent of Quinine and 5 per cent of other alkaloids	2 00	1 95	7 00
Cinchona Calisaya, Detannated. (Same as above.)	2 00	1 95	7 00
Cinchona, Comp. Red bark	2 00	1 95	7 00
Cinchona Comp. Pale bark	1 40	1 35	5 25
Cinnamon, <i>Cinnamomum</i> ...	1 80	1 75	6 50
Cleavers, <i>Galium</i> ...	80	75	3 50
Clover, Red, <i>Trifolium Pratense</i> ...	1 20	1 15	4 75
Cloves, <i>Caryophyllus</i> ...	1 40	1 35	5 25
Coca, <i>Erythroxylon Coca</i> ...	2 20	2 15	7 75

Assayed, 0.500 per cent, crude Cocaine.

<i>Cocculus Indicus</i> ...	1 00	95	4 25
Coffee, Green, <i>Coffea Arabica</i> ...	1 50	1 45	5 60
Coffee, Roasted, for syrup. See Special Net List.			
Cohosh, Black, <i>Cimicifuga</i> ...	1 20	1 15	4 75
Cohosh, Black, Compound	1 10	1 05	4 40
Cohosh, Blue, <i>Caulophyllum</i> ...	95	90	4 00

HAS TRUAX & CO GREENE & CO

HENRY THAYER & CO'S FLUID EXTRACTS.

Put up in lb. bottles, 5 lbs. bottles and 4 oz. phials.			
	1 lb.	5 lb.	4 oz.
	prlb.	prlb.	prdoz.
	\$1 10	\$1 05	\$4 40
Colchicum Root, <i>Colchici Radix</i>			
Assayed, 10 c. c. of this Fluid Extract require 7 c. c. of Mayer's Solution N			
1-20 for complete precipitation			
Colchicum Seeds, <i>Colchici Semen</i>	1 50	1 45	5 60
Assayed, 10 c. c. of this Fluid Extract require 7 c. c. of Mayer's Solution N			
1-20 for complete precipitation,			
Colocynthis, <i>Colocynthis</i>	1 60	1 55	6 00
Coltsfoot, <i>Tussilago</i>	80	75	3 50
Columbo, <i>Colomba</i>	1 10	1 05	4 40
Comfrey, <i>Symphytum</i>	80	75	3 50
Conium Maculatum.....	1 10	1 05	4 40
Conium Seed, <i>Conii Fructus</i>	1 25	1 20	4 75
Assayed, 0.600 per cent. Coniine. Estimated as Muriate.			
Coriander, <i>Coriandrum S.</i>	1 20	1 15	4 75
Corn Silk, <i>Stigmata Maidis</i>	1 35	1 30	5 15
Corn Smut, <i>Ustilago Maidis</i>	1 50	1 45	5 60
Coto Bark.....	4 00	3 95	13 00
Cotton Root Bark, <i>Gossypium</i>	1 25	1 20	4 75
Cramp Bark, <i>Viburnum</i>	80	75	3 50
Cram Bark Comp.....	1 25	1 20	4 75
Cranesbill, <i>Geranium</i>	95	90	4 00
Crawley Root, <i>Coralorrhiza Odont.</i>	2 20	2 15	7 75
Cubebs, <i>Cubeba</i>	3 30	3 25	11 00
Culver's Root, <i>Leptandria</i>	1 25	1 20	4 75
Cundurango, <i>Gonolobus Condurango</i>	1 40	1 35	5 25
Damiana, <i>Turnera Aphrodisiaca</i>	2 00	1 95	7 00
Dandelion, Compound.....	1 10	1 05	4 40
Dandelion Root, <i>Taraxacum</i>	1 20	1 15	4 75
Dandelion and Senna.....	80	75	3 50
Deer Tongue, <i>Liatris Odoratissima</i>	1 10	1 05	4 40
Digitalis.....	1 10	1 05	4 40
Dita Bark, <i>Alstonia Scholaris</i>	2 00	1 95	7 00
Ditch Stone Crop, <i>Penthorum Sedoides</i>	2 00	1 95	7 00
Dog Grass, <i>Triticum Repens</i>	95	90	4 00
Dragon Root, <i>Arum</i>	1 00	95	4 25
Dwarf Elder, <i>Aralia Hispid.</i>	1 00	95	4 25
Elder Flowers, <i>Sambucus</i>	80	75	3 50
Elecampane, <i>Inula</i>	80	75	3 50
Ergot, <i>Ergota</i>	1 90	1 85	6 75
Ergot, <i>Ethereal</i>	1 90	1 85	6 75
Eucalyptus <i>Eucalyptus Globulus</i>	1 10	1 05	4 40
Evening Primrose, <i>Oenothera Biennis</i>	1 10	1 05	4 40
False Gromwell, <i>Onosmodium Vir.</i>	1 50	1 45	5 60
Fennel Seed, <i>Feniculum V.</i>	1 10	1 05	4 40
Feverfew, <i>Pyrenthrum</i>	80	75	3 50
Fever Bush, <i>Benzoin Odoriferum</i>	1 00	95	4 25
Fever Bush Berries, <i>Benzoin Odoriferum</i>	1 10	1 05	4 40
Fern, Sweet, <i>Comptonia</i>	70	65	3 20
Figwort, <i>Scrophularia Nodosa</i>	1 65	1 60	6 00
Fir Balsam Bark, <i>Abies Balsema</i>	1 00	95	4 25
Fireweed, <i>Erechtites</i>	80	75	3 50
Fiveflowered Gentian, <i>Gentiana Quinquiflora</i>	2 20	2 15	7 75
Flag Sweet, <i>Calamus</i>	1 10	1 05	4 40
Fleabane, <i>Erigeron</i>	95	90	4 00
Florida Allspice, <i>Calycanthus Flor.</i>	1 10	1 05	4 40
Fringe Tree Bark, <i>Chionanthus Vir.</i>	1 10	1 05	4 40
Frostwort, <i>Helianthemum</i>	95	90	4 00
Galangal, <i>Alpinia Officinarum</i>	1 00	95	4 25
Galls, <i>Galla</i>	95	90	4 00
Garden Celandine, <i>Chelidonium</i>	80	75	3 50
Garlic, <i>Allium Sativum</i>	1 10	1 05	4 40
Gelsemium, Yellow Jessamine.....	1 20	1 15	4 75
Assayed, 10 c. c. of this Fluid Extract require 6 c. c. of Mayer's Solution N			
1-20 for complete precipitation.			
Gentian, <i>Gentiana</i>	90	85	3 75
Gentian Comp.....	1 10	1 05	4 40
Gillenla, Indian Physic.....	70	65	3 20
Ginger, <i>Zingiberis</i>	1 25	1 20	4 75
Ginger, Soluble, for making Syrup.....	1 00	95	4 25
Ginger Leaf, <i>Eremocarpus Setigerous</i>	1 80	1 75	6 50
Golden Seal, Colorless.....	1 35	1 30	5 15
Golden Seal, <i>Hydrastis</i>	1 80	1 75	6 50
Golden Seal, without Alcohol.....	1 80	1 75	6 50
Goldenrod, <i>Solidago</i>	70	65	3 20
Gold Thread, <i>Coptis</i>	1 80	1 75	6 50
Gravel Plant, <i>Epigaea Repens</i>	70	65	3 20
Great Laurel, <i>Rhododendron Max.</i>	1 10	1 05	4 40
Grindelia Robusta.....	1 80	1 75	6 50



HENRY THAYER & CO'S FLUID EXTRACTS.

Put up in 1 lb. bottles, 5 lb. bottles and 4 oz. phials.

	1 lb. pr lb.	5 lb. pr lb.	4 oz. pr doz.
<i>Grindelia Squarrosa</i>	\$2 00	\$1 95	\$7 00
Guaco, <i>Mikania Guaco</i>	1 90	1 85	6 75
Guaiacum, <i>Guaiacum Offic.</i>	1 80	1 75	3 50
Guarana, <i>Paulinia Sorbilis</i>	5 00	4 95	16 00
Assayed, 4 per cent. Caffeine.			
Guarana and Celery.....	3 00	2 95	10 00
Hair-cap Moss, <i>Polytrichum Juniperum</i>	1 10	1 05	4 40
Hardhack, <i>Spirea Tomentosa</i>	1 70	1 65	3 20
Haw, Black, <i>Viburnum Prunifol.</i>	1 10	1 05	4 40
Hellebore, Black <i>Helleborus Nig.</i>	95	90	4 00
Hellebore, White, <i>Veratrum Album</i>	1 10	1 05	4 40
Hellionias Compound.....	1 50	1 45	5 60
hemlock, <i>Abies Canadensis</i>	70	65	3 20
Henbane, <i>Hyoscyamus</i>	1 35	1 30	5 15
Assayed, 0 18 per cent. Alkaloid.			
Hickory Bark, <i>Carya Alba</i>	80	75	3 50
Holly-leaf, Barberry, <i>Ber. Aqu.</i>	1 90	1 85	6 75
Hop, <i>Humulus</i>	2 00	1 95	7 00
Horehound, <i>Marrubium</i>	90	85	3 75
Horse Chestnut Bark, <i>Escolum Hip.</i>	1 10	1 05	4 40
Hydrangea, <i>Hydran. Abores.</i>	95	90	4 00
Hyssop, <i>Hyssopus</i>	70	65	3 20
Ignatia Bean, <i>Ignatia Amara</i>	1 90	1 85	6 75
Indian Black Root, <i>Pterocaulon Pyc</i>	1 60	1 55	6 00
Ipecac, <i>Cephalis Ipecacuanha</i>	4 50	4 45	14 50
Assayed, 2 per cent. Emetine. 10 c. c. of this Fluid Extract require 20. c. c. of Mayer's Solution for complete precipitation.			
Ipecac and Opium—Tincture, U. S. P.	1 80	1 75	6 50
Ipecac and Seneka.....	2 75	2 70	9 40
Jaborandi, <i>Pilocarpus Pin.</i>	1 60	1 55	6 00
Jalap, <i>Jalap.</i>	1 65	1 60	6 00
Assayed, 12 per cent. Resin. 10 c. c. of this Fluid Extract, when treated by the U. S. P. Process for preparing resins, yield, when dried, 1.2 gms.			
Jamaica Dogwood, <i>Piscidia Erythrina</i>	2 00	1 95	7 00
Jersey Tea, <i>Ceanothus Americanus</i>	1 10	1 05	4 40
John's Wort, <i>Hypericum</i>	70	65	3 20
Judas Tree Bark, <i>Cercis Canadensis</i>	2 50	2 45	8 50
Juniper Berries, <i>Juniperus</i>	80	75	3 50
Kamala, <i>Glandula Rottlera</i>	2 50	2 45	8 50
Kava Kava, <i>Piper Methysticum</i>	1 90	1 85	6 75
Kidney Root, <i>Bacchar's Pilularis</i>	1 80	1 75	6 50
Kino, <i>Pterocarpus M</i>	1 50	1 45	5 60
Kola Nut, <i>Sterculia Acuminata</i>	2 50	2 45	8 60
Kousso, <i>Brayera</i>	1 90	1 85	6 75
<i>Lactucarium</i>	14 00	13 95	43 00
Larkspur Seed, <i>Delphinium Consolida</i>	3 30	3 25	11 00
Laurel Leaves, <i>Kalmia Latifolia</i>	95	90	4 00
Lavender Comp., for making Spirits Lavender Co	1 50	1 45	5 60
Lavender Flowers, <i>Lavandula</i>	80	75	3 50
Lettuce, <i>Lactuca</i>	1 00	95	4 25
Liquorice, <i>Glycyrrhiza Glab.</i>	80	75	3 50
Liquorice Comp. for Quinine Mixtures.....	1 10	1 05	4 40
Life Everlasting, <i>Gnaphalium</i>	70	65	3 20
Lily of the Valley Root, <i>Convallaria M</i>	1 35	1 30	5 15
Lily Root, White, <i>Nympha.</i>	80	75	3 50
Lily Root, Yellow, <i>Nuphar</i>	80	75	3 50
Liverwort, <i>Hepatica</i>	80	75	3 50
Lobelia, <i>Lobelia Inflata</i>	95	90	4 00
Lobelia, Comp.....	95	90	4 00
Lobelia Seed, <i>Lobelia Inflata</i>	2 00	1 95	7 00
Logwood, <i>Hematoxylon</i>	70	65	3 20
Lozage, <i>Ligusticum</i>	1 10	1 05	4 40
Lungwort, <i>Pulmonari</i>	80	75	3 50
Lupulin, <i>Lupulina</i>	3 00	2 95	0 00
Madder, <i>Rubia Tinct</i>	80	75	3 50
Magnolia Bark, <i>Magnolia Glauca</i>	1 10	1 05	4 40
Magnolia Flowers, <i>Magnolia Acum</i>	2 50	2 45	8 50
Maiden-Hair, <i>Adiantum Pedatum</i>	1 10	1 05	4 40
Male Fern, <i>Aspidium</i>	1 10	1 05	4 40
Malt.....	70	65	3 20
Manaca, <i>Fraxinea Uniflora</i>	3 00	2 95	10 00
Mandrake, <i>Podophyllum</i>	95	90	4 00
Assayed, 1.25 per cent. Resin.			
Mandrake, Compound.....	95	90	4 00
Mangosteen, <i>Mangostana Garcinia</i>	3 30	3 25	11 00
Manzinita Leaves, <i>Arctos Glauca</i>	2 10	2 05	7 25
Marshmallow, <i>Althae</i>	80	75	3 50
Marsh Rosemary, <i>Statice</i>	70	65	3 20

HAS TRUAX (TRAU) GREENE & CO.

HENRY THAYER & CO'S FLUID EXTRACTS.

Put up in 1 lb. bottles, 5 lb. bottles and 4 oz. phials.

	1 lb. pr lb.	5 lb. pr lb.	4 oz. pr doz.
Marygold, <i>Calendula</i>	\$2 20	\$2 15	\$7 75
Masterwort, <i>Heracleum Lanatum</i>	1 10	1 05	4 40
Matico, <i>Artanthe Elongata</i>	1 65	1 60	6 00
Mezereon, <i>Mezereum</i>	1 10	1 05	4 40
Milk Weed, <i>Asclepias Cornuti</i>	1 10	1 05	4 40
Mistletoe, <i>Viscum Album</i>	95	90	4 00
Motherwort, <i>Leonurus</i>	95	90	4 00
Mountain Mint, <i>Origanum Vulg</i>	70	65	3 20
Mugworth, <i>Artemisia</i>	70	65	3 20
Mullein Leaves, <i>Verbascum</i>	80	75	3 50
Muskroot, <i>Sunbul</i>	2 73	2 70	9 40
Myrrh, <i>Balsamodendron M</i>	1 80	1 75	6 50
Nettle, <i>Urtica Dioica</i>	1 00	95	4 25
Night Blooming Cereus, <i>Cereus Grandiflora</i> . See <i>Cereus Grandiflora</i>			
Nux Vomica.....	1 25	1 20	4 25
Assayed. 1.75 per cent. total Alkaloids.			
Oats, <i>Avena Sativa</i>	1 40	1 35	5 25
Oak Bark, <i>Quercus Alba</i>	80	75	3 50
Opium, Aqueous. U. S. P. 1880.....	1 80	1 75	6 50
Assayed. Six grains of Morphia in each fluid ounce			
Opium, Camphorated, for making Paregoric.....	1 80	1 75	6 50
Opium, Tinct., Deodorized. U. S. P. 1880.....	1 80	1 75	6 50
Assayed. Six grains of Morphia in each fluid ounce.			
Orange Peel (Bitter), <i>Aurantium</i>	80	75	3 50
Orange Peel (Sweet), <i>Aurantium</i>	80	75	3 50
Orris Root, <i>Iris Flor</i>	95	90	4 00
Pansy, <i>Viola Tricolor</i>	1 20	1 15	4 75
Paraguay Tea, <i>Ilex Paraguaiensis</i>	1 65	1 60	6 00
Pareira Brava, <i>Chondodendron Tomentosum</i>	1 50	1 45	5 60
Parsley Root, <i>Petroselinum Sativum</i>	1 10	1 05	4 40
Pennyroyal, <i>Hedeoma</i>	70	65	3 20
Peppermint, <i>Mentha Piperita</i>	70	65	3 20
Persimmon, <i>Diospyrus Virg</i>	1 10	1 05	4 40
Pichi, <i>Fabiana Imbricata</i>	3 00	2 95	10 00
Pinkroot, <i>Spigelia</i>	1 50	1 45	5 60
Pinkroot, Compound.....	1 50	1 45	5 60
Pinkroot and Senna.....	1 50	1 45	5 60
Pipsissewa, <i>Chimaphila</i>	80	75	3 50
Pitcher Plant, <i>Saracenia Pur</i>	1 35	1 30	5 15
Plantain Leaves, <i>Plantago</i>	80	75	3 50
Pleurisy Root, <i>Asclepias Tub</i>	1 10	1 05	4 40
Poison Oak, <i>Rhus Toxicodendron</i>	1 65	1 60	6 00
Poke Berries, <i>Phytolacca Bac</i>	1 25	1 20	4 75
Poke Root, <i>Phytolacca Rad</i>	1 00	95	4 25
Pomegranate, <i>Punica Granatum</i>	95	90	4 00
Poplar Bark, <i>Populus</i>	70	65	3 20
Poppy Heads, <i>Papaver</i>	95	90	4 00
Prickly Ash, <i>Xanthoxylum</i>	95	90	4 00
Prickly Ash Berries, <i>Xanthoxylum</i>	2 00	1 95	7 00
Ptella, <i>Ptella Trifoliata</i>	80	75	3 50
Pulsatilla, <i>Anemone Pulsatilla</i>	1 25	1 20	4 75
Pumpkin Seed, <i>Cucurbita Pepo</i>	1 80	1 75	6 50
Quassia, <i>Sinapura Excelsar</i>	80	75	3 50
Quebracho Bark, <i>Aspidosperma Quebr</i>	2 00	1 95	7 00
Queen of the Meadow, <i>Eupa Pur</i>	1 25	1 20	4 75
Quinine Bush, <i>Garrya Fremonti</i>	80	75	3 50
Quinine Flower, <i>Sabbatia Elliottii</i>	2 10	2 05	7 25
Raspberry Leaves, <i>Rubus</i>	2 25	2 20	8 00
Red Osier Bark, <i>Cornus Ser</i>	80	75	3 50
Rhatany, <i>Krameria</i>	1 10	1 05	4 40
Rhododendron, <i>Rhododendron Max</i>	1 10	1 05	4 40
Rhubarb, India, <i>Rheum Palmatum</i>	2 20	2 15	7 75
Rhubarb, Aromatic.....	2 00	1 95	7 00
Rhubarb and Potassa.....	1 65	1 60	6 00
Rhubarb and Senna.....	1 65	1 60	6 00
Rhubarb, Sweet.....	1 65	1 60	6 00
<i>Rhus Aromatica</i>	2 50	2 45	8 50
Rosinweed, <i>Silphium</i>	1 65	1 60	6 00
Rue, <i>Ruta</i>	80	75	3 50
Sabadilla, <i>Cevadilla</i>	1 65	1 60	6 00
Saffron, <i>Crocus</i>	2 10	2 05	7 25
Sage, <i>Salvia</i>	80	75	3 50
Sandal Wood, <i>Santalum Album</i>	2 75	2 70	9 40
Sarsaparilla, American, <i>Aratia</i>	95	90	4 00
Sarsaparilla, <i>Smilax Sarsap</i>	1 35	1 30	5 25
Sarsaparilla, Comp. U. S. P.	1 35	1 30	5 25
Sarsaparilla Comp., for Syrup. U. S. P.	1 35	1 30	5 25



HENRY THAYER & CO'S FLUID EXTRACTS.

Put up in 1 lb. bottles, 5 lb. bottles and 4 oz. phials.

	1 lb. prlb.	5 lb. prlb.	4 oz. prdoz.
Sarsaparilla and Dandelion	\$1 35	\$1 30	\$5 52
Sassafras Bark	80	75	3 50
Savine, <i>Sabina</i>	80	75	3 50
Savory, <i>Satureja</i>	80	75	3 50
Saw Palmetto, <i>Serenoa Serrulata</i>	1 80	1 75	6 50
Scullcap, <i>Scutellaria</i>	1 80	1 75	6 50
Scullcap, Compound	95	90	4 00
Sea Wrack, <i>Fucus Nesciculosus</i>	1 10	1 05	4 40
<i>Senecio</i>	80	75	3 50
Seneka, <i>Senegia</i>	2 25	2 20	8 00
Senna, (Alex) U. S. P., <i>Cassia Acutifolia</i>	1 00	95	4 25
Senna, Aqueous	1 00	95	4 25
Senna and Dandelion	80	75	3 50
Senna and Jalap	1 10	1 05	4 40
Senna, Compound	1 10	1 05	4 40
Sheep Laurel, <i>Kalmia Angustifolia</i>	95	90	4 00
Sheep Sorrel, <i>Rumex Acetosella</i>	1 10	1 05	4 40
Shepherd's Purse, <i>Cap. Bursa-pastoris</i>	1 10	1 05	4 40
Simaruba, <i>Simarubra Offic.</i>	1 65	1 60	6 00
Skunk Cabbage, <i>Symplocarpus</i>	95	90	4 00
Snakeroot, <i>Serpentaria</i>	1 65	1 60	6 00
Soap Tree Bark, <i>Quillaja Saponaria</i>	1 10	1 05	4 40
Solomon's Seal, <i>Polygonatum</i>	80	75	3 50
Southernwood, <i>Artemisia</i>	80	75	3 50
Spearmint, <i>Mentha Vir</i>	1 25	1 20	4 75
Spice Wood Berries, <i>Benzoin Odor</i>	1 10	1 05	4 40
Spikenard, <i>Aralia Racemosa</i>	80	75	3 50
Soapwort, <i>Saponaria</i>	80	75	3 50
Squaw Vine, <i>Mitchella R.</i>	1 10	1 05	4 40
Squill, <i>Scilla Mar</i>	95	90	4 00
Squill Compound U. S. P	1 85	1 80	6 75
Stavesacre Seed, <i>Delphinium Staphis</i>	2 20	2 15	7 75
Stillingia, Compound. (King's formula.)	1 35	1 30	5 15
Stillingia, Compound. (McDade's formula.)	1 35	1 30	5 15
Stoneroot, <i>Collinsonia</i>	95	90	4 00
Strophanthus (Tincture)	1 10	1 05	4 40
<i>Stramonii Folia</i>	95	90	4 00
Assayed. 0.375 per cent. Alkaloids. 10 c. c. of this Fluid Extract require 6 c. c. of Mayer's Solution for complete precipitation.			
<i>Stramonii Semen</i>	95	90	4 00
Assayed. 0.375 per cent. Alkaloid. 10 c. c. of this Fluid Extract require 6 c. c. of Mayer's Solution N 1-20 for complete precipitation.			
Sumach Bark, <i>Rhus glabra</i>	70	65	3 20
Sumach Leaves	70	65	3 20
Sumach Berries, <i>Rhus Glabrum</i>	70	65	3 20
Sun Dew, <i>Drosera Rotundifolia</i>	2 20	2 15	7 75
Sweet Flag, <i>Calamus</i>	1 10	1 05	4 40
Sweetgale, <i>Myrica</i>	1 10	1 05	4 40
Tag Alder, <i>Alnus Rubra</i>	70	65	3 20
Tamarack Bark, <i>Larix Americana</i>	1 10	1 05	4 40
Tansy, <i>Tanacetum</i>	70	65	3 20
Thimbleweed, <i>Rudbeckia</i>	1 10	1 05	4 40
Thyme, <i>Thymus</i>	80	75	3 50
Tolu, Soluble, for Syrup	1 00	95	4 25
Tonqua, <i>Dipterix</i>	3 00	2 95	10 00
Trifolium Com., for making Syrup	2 20	2 15	7 75
Turkey Corn, <i>Corydalis</i>	1 65	1 60	6 00
Turmeric, <i>Curcuma</i>	80	75	3 50
Twin Leaf Root, <i>Jeffersonia Diphylla</i>	1 20	1 15	4 75
Unicorn Root (False), <i>Helonias</i>	1 65	1 60	6 00
Unicorn Root, <i>Aletis F.</i>	1 65	1 60	6 00
Uva Ursi, <i>Arctostaphylos</i>	1 00	95	4 25
Valerian, <i>Valeriana Officinalis</i>	1 10	1 05	4 40
Vervain Verbena	1 10	1 05	4 40
<i>Veratrum Viride</i>	1 25	1 20	4 75
Assayed. 10 c. c. of this Fluid Extract require 6 c. c. of Mayer's Solution N 1-20 for complete precipitation.			
Wahoo, <i>Euanthus</i>	1 25	1 20	4 75
Water Eringo, <i>Eryngium Aquaticum</i>	80	75	3 50
Water Fennel Seed, <i>Eranthe Phellandrium</i>	1 80	1 75	6 50
Water Pepper, <i>Polygonum</i>	80	75	3 50
White Hemizonia, <i>Hemizonia Alba</i>	2 20	2 15	7 75
White Pine Bark, <i>Pinus Strobus</i>	80	75	3 50
White Pine Comp., for making Syrup	1 80	1 75	6 50
White Willow, <i>Salix Alba</i>	80	75	3 50
Whitewood Bark, <i>Liriodendron</i>	70	65	3 20
Wild Indigo, <i>Baptisia</i>	80	75	3 50
Wild Yam, <i>Dioscorea Villosa</i>	80	75	3 50



HENRY THAYER & CO'S FLUID EXTRACTS.

Put up in 1 lb. bottles, 5 lb. bottles and 4 oz. phials.

	1 lb.	5 lb.	4 oz.
	pr lb.	pr lb.	pr doz.
Winter's Bark, <i>Drymis Winteri</i>	\$0 80	\$0 75	\$ 3 50
Witch-Hazel, <i>Hamamelis</i>	70	65	3 20
Wood Betony, <i>Betonica Officinalis</i>	2 20	2 15	7 75
Wormwood, <i>Absinthium</i>	70	65	3 20
Wormseed, <i>Chenopodium</i>	80	75	3 50
Xanthium, <i>Xanthium Spinosum</i>	1 35	1 30	5 15
Yarrow, <i>Achillea</i>	70	65	3 20
Yellow Dock, <i>Rumex</i>	1 10	1 05	4 40
Yellow Parilla, <i>Menispermum Can.</i>	1 10	1 05	4 40
Yerba Buena, <i>Micromeria Douglasii</i>	2 10	2 05	7 25
Yerba Reuma, <i>Frankenia Grandiflora</i>	2 10	2 05	7 25
Yerba Santa, Aromatic, for Syrup.....	1 75	1 70	6 50
Yerba Santa, <i>Eryodictyon Glutinosum</i>	2 20	2 15	7 75

GELATINE AND SUGAR-COATED PILLS.

These Pills are carefully prepared from the best material, and are so protected as not to deteriorate in quality by age. Other kinds are prepared to order, and can be made with or without a coating, when ordered in bulk.

Special contracts made for preparing Pills from private formulas.

All Pills sent in bottles of 100 each, unless otherwise ordered.

DISCOUNT 20 PER CENT.

Put up in bottles of 100 and 500.

	Prices per 100.	In 100s.	In 500s.
Aconitia.....	1-60 gr.	\$0 25	\$ 0 22
Aconite, Extract of.....	1 1/4 gr.	23	20
Ague—Chinodine. 2 grs., Sulph. Iron, 1/2 gr., Ext. Colo. Comp., 1/2 gr., Oil Black Pepper, 1-6 gr.....	4 grs.	40	37
Aloes and Assafoetida. U. S. P.....	20	20	17
Aloes and Iron—Sulphate Iron, 1 gr., Aloes, 1/2 gr. Ext. Conium, 1/2 gr., Ginger, 1 gr.....	1 1/4 gr.	20	17
Aloes and Myrrh—Aloes, 2 grs., Myrrh, 1 gr., Aromatic Powder, 1/2 gr.....	25	22	22
Aloes and Nux Vomica, 2 grs.—Aloes, 1 1/2 grs., Ext. Nux Vomica, 1/2 gr.....	25	22	22
Aloes, Nux Vomica and Belladonna.....	30	27	27
Aloes, 1 1/2 grs., Ext. Nux Vomica, 1/2 gr., Extract Belladonna, 1/8 gr.....	1 gr.	20	17
Aloetic.....	20	20	17
Aloetic. U. S. P., 4 grs.—Aloes, 2 grs., Soap, 2 grs.....	1-10 gr.	20	17
Aloin.....	1-5 gr., 1/4 gr.	25	22
Aloin.....	1/2 gr.	35	32
Aloin.....	1 gr.	60	57
Aloin Comp.—Aloin, 1/2 gr., Podophyllin, 1/2 gr., Ext. Belladonna, 1/4 gr.....	30	27	27
Aloin Comp., No. 2.—Aloin, 1-10 gr., Ext. Nux Vomica, 1-10 gr., Croton Oil, 1-15 gr., Ext. Colo. Comp., 1-10 gr., Podophyllin, 2-10 gr., Oleo Res. Capsicum, 1-128 gr.....	30	27	27
Aloin and Strychnia—Aloin, 1-5 gr., Strychnia, 1-60 gr.....	30	27	27
Aloin, Strychnia and Belladonna, No. 1.....	40	37	37
Aloin, 1-5 gr., Strychnia, 1-120 gr., Ext. Belladonna, 1/8 gr.....	40	37	37
Aloin, Strychnia and Belladonna, No. 2.....	40	37	37
Aloin, 1-5 gr., Strychnia, 1-60 gr., Ext. Belladonna, 1/8 gr.....	50	47	47
Aloin, Strychnia and Belladonna Comp.....	25	22	22
Aloin, 1-5 gr., Strychnia, 1-60 gr., Ext. Belladonna, 1/8 gr., Ext. Rham Pursh, 1/2 gr.....	1 gr.	40	37
Alterative, 1 1/4 grs.—Blue Mass, 1 gr., Powd. Opium, 1/2 gr., Powd. Ipecac, 1/2 gr.....	1/4 gr.	25	22
Ammonium, Bromide of.....	1/2 gr.	40	37
Ammonium, Picrate of.....	1/2 gr.	40	37
Ammonium, Picrate of.....	1 gr.	75	72
Ammonium, Valerianate of.....	20	17	17
Anderson's, Scot's—Aloes, Soap, Colocynth, Oil of Anise, Gamboge.....	55	52	52
Anthelmintic, 2 grs.—Santonin, 1 gr., Calomel, 1 gr.....	30	27	27
Anti-Bilious, 3 grs —Ext. Colo. Comp., 2 1/2 grs., Podophyllin, 1/4 gr.....	35	32	32
Anti-Bilious. (Dr. Snow's)—Ext. Colo. Comp., 1 gr., Blue Mass, 1 gr., Strychnia, 1-80 gr., Ipecac, 1-20 gr., Ext. Belladonna, 1-20 gr.....	40	37	37
Anti-Chill.....	40	37	37
Chinoidine, 1 gr., Oil Black Pepper, 1 gr., Ferro. Iron, 1 gr., Arsenic, 1-20 gr.....	40	37	37
Anti-Constipation. (Brundage's).....	1 gr.	40	37
Podophyllin, 1-10 gr., Ext. Belladonna, 1-10 gr., Powd. Cayenne, 1/4 gr., Ext. Nux Vomica, 1/4 gr., Ext. Henbane, 1/4 gr.....	30	27	27
Anti-Constipation. (Dr. Palmer's).....	30	27	27
Soc. Aloes, 1 gr., Ipecac, 1-10 gr., Ext. Henbane, 1 gr., Ext. Nux Vomica, 2-5 gr.....	30	27	27
Anti-Dyspeptic.....	30	27	27
Strychnine, 1-40 gr., Powd. Ipecac, 1-10 gr., Ext. Colo. Comp., 2 grs., Ext. Belladonna, 1-10 gr., Blue Mass, 2 grs.....	1 00	97	97
Anti-Malarial. (McCaw).....	20	17	17
Sulph. Quinine, 1 gr., Sulph. Iron, 1/4 gr., Oleo Resin Black Pepper, 1-16 gr., Arsenic, 1-80 gr., Gelsemin, 1/4 gr., Podophyllin 1/2 gr.....	20	17	17
Antimonium, Comp. (See Calomel Comp.).....	55	52	52
Anti-Periodic—Sulph. Cinchona, 1 gr., Sulph. Iron, 1 gr., Powd. Myrrh, 1/2 gr., Ext. Quassia, 1/2 gr., Ext. Rhubarb, 1/4 gr.....	55	52	52



HENRY THAYER & CO'S PILLS.

Put up in bottles of 100 and 500.		Prices per 100.	In 100s.	In 500s.
Aperient	Ext. Nux Vomica, $\frac{1}{4}$ gr., Ext. Colo Comp., 2 grs., Ext. Henbane, $\frac{1}{2}$ gr.	3 grs.	45	42
Aperient.	(Drysdale's).		30	27
	Powd. Rhubarb, $1\frac{1}{4}$ grs., Powd. Aloes, $1\frac{1}{2}$ grs., Powd. Nux Vomica, $\frac{1}{2}$ gr., Powd. Ipecac, 5-12 gr.			
Arsenic, Bromide of		1-50 gr.	20	17
Arsenious Acid		1-60, 1-50, 1-40, 1-30, 1-20 gr.	20	17
Assafoetida		2, 3 grs.	20	17
Assafoetida.	U. S. P.	4 grs.	20	17
Assafoetida and Iron	3 grs.—Assafoetida, 2 grs., Sulph. Iron, 1 gr.		20	17
Assafoetida, Rhubarb and Iron		3 grs.	40	37
	Assafoetida, 1 gr., Rhubarb, 1 gr., Iron by Hydrogen, 1 gr.			
Atropia.		1-100 gr.	30	27
Atropia		1-60 gr.	40	37
Ballou		3 grs.	40	37
	Ext. Colo. Comp., 1 gr., Ext. Jalap, 1 gr., Calomel, 1 gr., Powd. Ipecac, $\frac{1}{4}$ gr.			
Belladonna, Extract of		$\frac{1}{4}$ gr.	20	17
Belladonna, Extract of		$\frac{1}{2}$ gr.	25	22
Belladonna, Extract of		$\frac{1}{2}$ gr.	30	27
Bismuth and Ignatia—Subcarb.	of Bismuth, 4 grs., Ext. Ignatia, $\frac{1}{4}$ gr.		60	57
Bismuth and Nux Vomica—Subnit.	Bismuth, 4 grs., Ext. Nux Vomica, $\frac{1}{2}$ gr.		60	57
Bismuth, Subcarb.		3 grs.	40	37
Bismuth, Subnit.		3 grs.	40	37
Blaud's (Ferruginous.)		2 $\frac{1}{2}$ grs.	20	17
Blaud's. (Ferruginous.)		5 grs.	25	22
Blaud's. (Modified.)—Sulph. Iron,	2 $\frac{1}{2}$ grs., Arsen. Acid, 1-40 gr., Pot. Carb., 2 $\frac{1}{2}$ grs.		30	27
Blennorrhagic—White Turpentine,	$1\frac{1}{2}$ grs., Mono-Bromated Camphor, $\frac{1}{4}$ gr., Podophyllin, $\frac{1}{2}$ gr., Ext. Hops, $\frac{1}{4}$ gr.		50	47
Blue. (Hydrarg. U. S. P.)		3 grs.	20	17
Blue. (Hydrarg. U. S. P.)		5 grs.	25	22
Blue, Compound—Blue Mass.,	1 gr., Powd. Ipecac, $\frac{1}{4}$ gr., Powd. Opium, $\frac{1}{2}$ gr.		40	37
Caffein Comp. (Anti-Pain)			1 50	1 47
	Citrate Caffein, $1\frac{1}{2}$ grs., Camphor, $\frac{1}{2}$ gr., Acetanilid, $1\frac{1}{2}$ grs.			
Caffein, Citrate of		$\frac{1}{2}$ gr.	75	72
Caffein, Citrate of		1 gr.	1 25	1 22
Calcium, Sulphide of		1-10 gr.	25	22
Calcium, Sulphide of		$\frac{1}{4}$ gr.	35	32
Calcium, Sulphide of		$\frac{1}{2}$ gr.	45	42
Calcium, Sulphide of		1 gr.	50	47
Calomel		1-10, $\frac{1}{8}$, 1-6, $\frac{1}{2}$, 1, 2 grs.	20	17
Calomel		3 grs.	23	20
Calomel		5 grs.	25	22
Calomel and Colo. Comp.	3 $\frac{1}{2}$ grs.—Calomel, 1 gr., Ext. Colo Comp., 2 $\frac{1}{2}$ grs.		40	37
Calomel, Compound. (Plummer's.)		3 grs.	20	17
	Calomel, Guaiac Resin, Oxy-Sulph. Antimony			
Calomel, Nux Vomica, and Podophyllin		2 grs.	33	30
	Calomel, 1 gr., Ext. Nux Vomica, $\frac{1}{2}$ grs., Podophyllin, $\frac{1}{2}$ gr.			
Calomel and Opium, 3 grs.	—Calomel, 2 grs., Opium, 1 gr.		45	42
Camphor and Henbane—Camphor,	1 gr., Ext. Henbane, 1 gr.		25	22
Camphor, Henbane and Valerian		3 grs.	25	22
	Camphor, 1 gr., Ext. Henbane, $1\frac{1}{2}$ grs., Powd. Valerian, $\frac{1}{2}$ gr.			
Camphor, Mono-Bromated		2 grs.	80	77
Camphor and Opium, 3 grs.	—Camphor, 2 grs., Opium, 1 gr.		40	37
Camphor, Opium and Acetate of Lead.			50	47
	Camphor, 1 gr., Opium, 1 gr., Acetate of Lead, 1 gr.			
Camphor, Opium and Tannin		3 $\frac{1}{4}$ grs.	40	37
	Camphor, 1 gr., Opium, $\frac{1}{4}$ gr., Tannin, 2 grs.			
Camphor, Compound		3 grs.	45	42
	Camphor, 1 gr., Kino, 1 gr., Opium, 1 gr., Cayenne, 1-6 gr			
Cannabis Indica, Extract of		1 gr.	90	87
Capsicum		$\frac{1}{2}$ gr.	30	27
Capsicum		1 gr.	35	32
Cascara, Nux Vomica, and Belladonna			50	47
	Ext. Cascara Sagrada, 2 gr., Ext. Belladonna, 1-8 gr., Ext. Nux Vomica, $\frac{1}{4}$ gr.			
Cascara Sagrada, Extract of		2 gr.	35	32
Cathartic, Compound, $\frac{1}{4}$ gr.	—Jalapin, 1-16 gr., Aloin, $\frac{1}{2}$ gr., Powd. Gamboge, 1-32 gr., Ext. Henbane, $\frac{1}{2}$ gr., Leptandrin, 1-16 gr., Podophyllin, $\frac{1}{4}$ gr., Powd. Capsic.			
	1-64 gr., Oil Peppermint, 1-128 gr.		25	22
Cathartic, Comp., Mild		3 grs.	25	22
	Ext. Coloc. Co., 1 gr., Jalapin Res., $\frac{1}{2}$ gr., Calomel $\frac{1}{2}$ gr., Gamboge, $\frac{1}{4}$ gr.			
	Ext. Henbane, $\frac{1}{2}$ gr., Oil Peppermint, q. s.			
Cathartic, Compound, U. S. P.		3 grs.	25	22
Cathartic, Improved, 3 grs.	—Ext. Colo. Comp., $1\frac{1}{4}$ grs., Ext. Jalap, $\frac{1}{2}$ gr., Ext. Henb., $\frac{1}{4}$ gr., Cayenne, $\frac{1}{2}$ gr., Podophyllin, $\frac{1}{4}$ gr., Leptandrin, $\frac{1}{4}$ gr., Gamboge, $\frac{1}{4}$ gr., Oil Peppermint.		25	22
Cathartic, Vegetable		3 grs.	25	22
	Ext. Colo. Comp., $1\frac{1}{4}$ grs., Podophyllin, 1-10 gr., Leptandrin, $\frac{1}{4}$ gr., Oil of Peppermint., Ext. Jalap, 1 gr., Ext. Henbane, $\frac{1}{2}$ gr., Ext. Gentian, 1 gr.			

HAS TRUAX & CO. GREENE & CO.

HENRY THAYER & CO'S PILLS.

Put up in bottles of 100 and 500.		Prices per 100.		
		In 100s.	In 100s.	In 500s.
Coulophyllin	1-10 gr.	\$0 20		\$0 17
Cerium, Oxalate of	1 gr.	55		52
Chapman's Dinner, 3 grs.—Aloes, Rhubarb, Mastich		30		27
Chinoidine	1 gr.	20		17
Chinoidine	2 grs.	25		22
Chinoidine, Compound—Chinoidine, 2 grs., Sulphate of Iron, 1 gr., Piperin, ½ gr.	3 grs.	50		47
Chiretta, Extract of	1-10 gr.	80		77
Cimicifugin	1½ grs.	20		17
Cinchonia, Sulphate of	3 grs.	40		37
Cinchonia, Sulphate of	3 grs.	50		47
Cinchonia and Capsicum—Cinchonidia, 2 grs., Capsicum, ½ gr.	2½ grs.	50		47
Cinchonidia and Salicin—Cinchonidia, 2 grs., Salicin, ½ gr.	1 gr.	50		47
Cinchonidia, Salicylate of	2 grs.	1 00		97
Cinchonidia, Sulphate of	1 gr.	30		27
Cinchonidia, Sulphate of	2 grs.	40		37
Cinchonidia, Sulphate of	3 grs.	50		47
Coca, Extract of	3 grs.	70		67
Cochia. (Aloes and Colocynth.)	3 grs.	45		42
Codelia	¼ gr.	1 40		1 37
Codelia	½ gr.	2 00		1 97
Colocynth Comp. Ext. of U. S. P.	3 grs.	40		37
Colocynth, Ipecac, and Blue		40		37
Ext. Colo. Comp., 2 grs., Powd. Ipecac, 1-6 gr., Blue Mass, 2 grs.				
Cook's, 3 grs.—Aloes, 1 gr., Rhubarb, 1 gr., Calomel, ½ gr., Soap, ½ gr.	1 gr.	25		22
Conium, Extract of	4 grs.	33		30
Copaiba. U. S. P.		35		32
Copaiba and Buchu, 4 grs.—Copaiba, 3 grs., Oleo Resin Buchu, 1 gr.		35		32
Copaiba and Cubebs, 4 grs.—Copaiba, 3 grs., Oleo Resin Cubebs, 1 gr.		40		37
Copaiba, Cubebs, and Iron, 4 grs —Copaiba, Cit. Iron., Oleo Resin Cubebs.		40		37
Copaiba, Compound—Copaiba, Guaiac Resin, Cit. Iron, Oleo Resin Cubebs.		40		37
Corrosive Sublimate	1-32, 1-16, 1-12, ½ gr.	20		17
Cubebs, Compound	3 grs.	40		37
Powd. Cubebs, 1½ grs., Balsam of Copaiba, ¾ gr., Venice Turpentine, ¾ gr., Oil Sandal Wood, ¾ gr.				
Damiana, Extract of	3 grs.	50		47
Damiana, Phosphorus and Nux Vomica	1 00			97
Ext. Damiana, 2 grs., Ext. Nux Vomica, ½ gr., Phosphorus, 1-100 gr.				
Dandelion, Extract of	3 grs.	38		35
Diarrhoea		30		27
Calomel, ½ gr., Capsicum, 1-16 gr., Ipecac, 1-32 gr., Morphia Sulph., 1-16 gr., Camphor, 1-16 gr.				
Digestive		50		47
Pure Pepsin, 1 gr., Pulv. Nux V., ¼ gr., Ol. Res. Ginger, 1-16 gr., Sulphur, ½ gr.	1-60 gr.	40		37
Digitalis	3 grs.	25		22
Digitalis, Compound				
Powd. Digitalis, 1 gr., Nitrate Potass., 2 gr., Powd. Squill, 1 gr.				
Dinner. (See Chapman's and Lady Webster's.)		30		27
Diuretic				
Soap, 2 grs., Oil Juniper Berries, 1 drop., Carb Soda, 2 grs.				
Dover's Powder. See Ipecac and Opium				
Dupuytren		25		22
Powd. Guaiac, 3 grs., Corrosive Sublimate, 1-10 gr., Powd. Opium, ½ gr.				
Dysentery. (See Ergotine and Opium Comp.)				
Elaterium	1-10 gr.	50		47
Emmenagogue	3½ grs.	20		17
Sulph. Iron, 1½ grs., Aloes, ½ gr., Ven. Turpentine, 1½ grs.				
Emmenagogue, Compound		70		67
Emmenagogue, Improved		70		67
Ergotine, 1 gr., Aloes, 1 gr., Ext. Blk. Hellebore. 1 gr., Sulph. Iron, 1 gr., Oil Savine, ½ gr.				
Emmenagogue, with Ext. Cotton Root		70		67
Ergotine, Aloes Soc., Ext. Cotton Root, Sulph. Iron, each 1 gr., Oil Savine, ½ gr.				
Ergotine	1 gr.	60		57
Ergotine	2 grs.	90		87
Ergotine	3 grs.	1 50		1 47
Ergotine and Opium Comp. (Dr. Kenyon)		1 25		1 22
Ergotine, 2 r., Pulv. Opium, ½ gr., Ext. Nux. Vomica, ¼ gr., Cup. Sulph., 1-16 gr.				
Eucalyptus, Extract of	2 grs.	40		37
Ferruginous. (Blaud's)	2½ grs., 3 grs.	20		17
Ferruginous. (Blaud's)	5 grs.	25		22
Galbanum, Compound—Galbanum, Myrrh, Assafetida	4 grs.	30		27
Gallic Acid	5 grs.	75		72
Gamboge, Compound. U. S. P., 3 grs—Gamboge, Ginger, Aloes, Soap		20		17
Gelsemin	1½ gr.	25		22
Gelsemin	¼ gr.	30		27
Gentian, Compound. U. S. P., 3 grs.—Ext. Gentian, Rhubarb, Aloes, Oil Caraway		25		22
Gentian, Extract of	2 grs.	25		22



HENRY THAYER & CO'S PILLS.

	Put up in bottles of 100 and 500.	Prices per 100.	In 100s.	In 500s.
Gonorrhœa, 3 grs.—Powd. Cubebs, 2 grs., Balsam Copaiba, 1 gr., Ven. Turpentine,				
1½ grs., Sulph. Iron, ½ gr.		\$0 35	\$0 32	
Headache—Lact. Pepsin, 1 gr., Guarana, ½ gr., Sod. Bicarb., 1 gr., Cypripedium, ½ gr.		50	47	
Heart—Cinchonidia, 1 gr., Ext. Henbane, ½ gr., Digitalis Pulv. 1 gr.		50	47	
Helonias, Compound		60	57	
Helonin, ½ gr., Viburnin, ½ gr., Caulophyllin, ¼ gr., Squaw Vine, 1½ grs.				
Helonin		1-10 gr.	25	22
Henbane, Extract of		1 gr.	28	25
Hepatica. Eclectic—Podophyllin, ¼ gr., Oleo Resin Blue Flag, ¼ gr., Powd. Capsi-				
cum, ½ gr., Leptandrin, ½ gr., Ext. Nux. V., 1-16 gr.		50	47	
Hepatica—Blue Mass, 3 grs., Ext. Colo. Comp., 1 gr., Ext. Henbane, 1 gr.		45	42	
Hooper's Female.		2½ grs.	20	17
Aloes, Canella, Sulph. Iron, Ext. Hellebore, Soap, Myrrh, Ginger.				
Hydrastin		½ gr.	40	37
Ignatia, Extract of		¼ gr.	30	27
Iodine		½ gr.	55	52
Iodoform		1 gr.	60	57
Iodoform and Iron—Iron by Hydrogen, 1 gr., Iodoform, 1 gr.			70	67
Ipecac and Opium. (Dover's Powder.)		2 grs.	28	25
Ipecac and Opium. Equal to 5 grs. Dover's Powder.			50	47
Pulv. Ipecac, ½ gr., Pulv. Opium, ½ gr.				
Ipecac and Opium. Equal to 10 grs. Dover's Powder			90	87
Pulv. Ipecac, 1 gr., Pulv. Opium, 1 gr.				
Ipecac and Squill—Dover's Powder, 3 parts, Gum Ammoniac, 1 part, Squill, 1 part			28	25
Irisin.		½ gr.	33	30
Irisin		1 gr.	38	35
Irisin, Compound—Irisin, ¼ gr., Podophyllin, 1-10 gr., Strychnia, 1-40 gr.			25	22
Iron, Carb. of. (Vallet's.) U. S. P.		2 grs., 3 grs.	20	17
Iron, Citrate of		2 grs.	25	22
Iron and Quinine, Citrate of		1 gr.	45	42
Iron and Quinine, Citrate of		2 grs.	60	57
Iron and Quinine, Citrate of		3 grs.	70	67
Iron and Quinine, Citrate of, and Strychnia		2 grs.	70	67
Citrate Iron and Quinine, 2 grs., Strychnia, 1-60 gr.				
Iron, Citrate of, and Strychnia, 2 grs.—Citrate Iron, 2 grs., Strychnia, 1-50 gr.			40	37
Iron, Compound. U. S. P.		3 grs.	20	17
Iron, Ferrocyanide of		3 grs.	25	22
Iron, Iodide of. (Blancard's Formula)		1½ gr.	50	47
Iron, Lactate of		1 gr.	25	22
Iron, Phosphate of		2 grs.	33	30
Iron, Pyrophosphate of		½ gr., 1 gr.	20	17
Iron, Quassia, and Nux Vomica—Iron by Hydrogen, 1½ grs., Ext. Nux Vomica,				
¼ gr., Ext. Quassia, 1 gr., Powd. Soap, ½ gr.			40	37
Iron, Sulphate of		4 grs.	20	17
Iron, Valerianate of		1 gr.	50	47
Iron by Hydrogen. (Quevenne's.)		1 gr.	25	22
Iron by Hydrogen		2 grs.	40	37
Lady Webster's Dinner, 3 grs.—Aloes, Mastich, Rose Flowers			25	22
Lapactic—Aloin, ¼ gr., Ext. Belladonna, ½ gr., Strychnia, 1-60 gr., Ipecac, 1-16 gr.			50	47
Laxative—Aloes, 1 gr., Sulphur, ¼ gr., Syrup Buckthorn, Podophyl., ¼ gr., Guaiac.			30	27
Resin, ½ gr.				
Laxative, "Special." Dr. Fordyce Barker			40	37
Ext. Henbane, 1½ grs., Ext. Colo. Comp., 1½ grs., Podophyllin, 1-12 gr., Ext.				
Nux Vomica, 5-12 gr., Soc. Aloes, 5-6 gr., Powd. Ipecac, 1-12 gr.				
Leptandrin		¼ gr.	20	17
Leptandrin		½ gr.	25	22
Leptandrin		1 gr.	40	37
Leptandrin, Compound—Leptandrin, 1 gr., Irisin, ¼ gr., Podophyllin, ½ gr.			50	47
Leucorrhœa—Hamamelin, 2 grs., Senecin, ½ gr., Hydrastin, ½ gr.			50	47
Liver, Improved—Soc. Aloes, 1 gr., Powd. Gamboge, ½ gr., Calomel, ½ gr., Tinct.				
Verat. Viride, ¼ drop, Powd. Jalap, 1 gr., Leptandrin, ½ gr., Oil Capsicum,				
1-48 drop			25	22
Lobelia, Extract of		½ gr.	30	27
Lobelia, Extract of		1 gr.	40	37
Lupulin		3 grs.	30	27
Mandrake, Compound, 3 grs.—Ext. Colo Comp, 1 gr., Ext. Mandrake, 1 gr., Ext.				
Gentian, ½ gr., Cayenne, 1-16 gr., Gamboge, ½ gr., Podophyllin, ¼ gr.			40	37
Magnanese, Binoxide of		2 grs.	50	47
Magnanese, Binoxide of		5 grs.	75	72
Mercury, Biniodide of		1-16 gr., ½ gr.	20	17
Mercury, Biniodide of		1 gr.	40	37
Mercury, Iodide of, and Opium—Iodide of Mercury, 1 gr., Powd. Opium, ½ gr.			38	35
Mercury, Protiodide of		1-10, 1-8, 1-6 1-5, ¼ gr.	20	17
Mercury, Protiodide of		¾, ½ gr.	30	27
Mercury, Protiodide of		1 gr.	35	32
Morphia, Acetate of, ½ gr.—Morphia Sul., ½ gr., Atropia, 1-100 gr.			40	37
Morphia and Atropia—Morphia, 1 gr., Atropia, 1-100.			75	72
Morpha, Sulphate of		1-20 gr.	20	17



HENRY THAYER & CO'S PILLS.

	Put up in bottles of 100 and 500.	Prices per 100.	In 100s.	In 500s.
Morphia, Sulphate of.....	1-16 gr.	\$0 25		\$0 22
Morphia, Sulphate of.....	1-10 gr.	30		27
Morphia, Sulphate of.....	1/2 gr.	35		32
Morphia, Sulphate of.....	1-6 gr.	40		37
Morphia, Sulphate of.....	1/4 gr.	50		47
Morphia, Sulphate of.....	1/2 gr.	75		72
Morphia, Valerianate of.....	1/2 gr.	50		47
Morphia, Compound, 3/4 gr.—Sulph. Morphia, Tartar Emetic, Calomel, equal parts...		50		47
Morphine, Henbane, and Camphor. No. 1.....		50		47
Morphine, 1/2 gr., Ext. Hyos., 2 grs., Camphor, 1 gr.				
Morphine, Henbane, and Camphor. No. 2.....		50		47
Morphine, 1-6., Ext. Hyos., 2 grs., Camphor, 1 gr.				
Neuralgic—Ext. Belladonna, 1 gr., Strychnia, 1-16 gr., Sulph. Morphia, 1/2 gr.....		75		72
Neuralgic. (Dr. Gross.).....		1 00		97
Sulph. Quinine, 2 grs., Sulph. Morphia, 1-20 gr., Ext. Aconite, 1/2 gr., Strychnia, 1-30 gr., Arsenious Acid, 1-20 gr.				
Neuralgic. (Dr. Gross. Without Morphia).....		1 00		97
Sulph. Quinine, 2 grs., Strychnia, 1-30 gr., Arsenious Acid, 1-20 gr., Ext. Aconite, 1/2 gr.				
Neuralgic. (Idiopath.) (Brown Sequard's).....		75		72
Ext. Henbane, 3/4 gr., Ext. Conium, 1/2 gr., Ext. Ignatia, 1/2 gr., Ext. Opium, 1/2 gr., Ext. Aconite, 1/2 gr., Ext. Cannabis Indica, 1/4 gr., Ext. Stramonium, 1-5 gr., Ext. Belladonna, 1-6 gr.				
Neuralgia. (Idiopath.) Half strength.....		50		47
Nux Vomica, Extract of.....	1/8, 1/4 gr.	20		17
Nux Vomica, Extract of.....	1/2 gr.	25		22
Opium.....	1/2 gr.	25		22
Opium.....	1 gr.	38		35
Opium, and Acetate of Lead, 2 grs.—Opium, 1/2 gr., Acetate of Lead, 1 1/2 grs.....		40		37
Opium and Camphor. (See Camphor and Opium).....		40		37
Ox Gall 3 grs.—Ox Gall, 2 grs., Jamaica ginger, 1 gr.....		25		22
Pepsin. (Pure.).....	1 gr.	50		47
Pepsin and Bismuth—Pure Pepsin, 1-5 gr., Sub-nit. Bismuth, 3 grs.....		50		47
Pepsin, Bismuth, and Strychnia.....		50		47
Pure Pepsin, 1-5 gr., Sub-nit. Bismuth, 2 1/2 grs., Strychnia, 1-60 gr.				
Phosphorus.....	1-100, 1-50 gr.	25		22
Phosphorus, Compound—Phosphorus, 1-60 gr., Ext. Nux Vomica, 1/4 gr.....		25		22
Phosphorus Comp. and Cantharides.....		40		37
Phosphorus, 1-50 gr., F. E. Cantharides, 1 min., Pulv. Nux V., 1 gr.				
Phosphorus Comp. and Damiana.....				
(See Damiana, Phosphorus, and Nux Vomica.)				
Phosphorus, Compound, and Iron.....		25		22
Phosphorus, 1-100 gr., Phosphate of Iron, 1/2 gr., Ext. Nux Vomica, 1/8 gr.				
Phosphorus, Iron, and Strychnia.....		25		22
Phosphorus, 1-100 gr., Carb. Iron, 1 gr., Strychnia, 1-60 gr.				
Phosphorus, Iron, Quinine, and Strychnia.....		75		72
Phosphorus, 1-100 gr., Reduced Iron, 1 gr., Quinine Sulph., 1 gr., Strychnia, 1-60 gr.				
Picrotoxin.....		40		37
Podophyllin.....	1-10, 1/8, 1/4.	20		17
Podophyllin.....	1/2 gr.	25		22
Podophyllin.....	1 gr.	40		37
Podophyllin and Belladonna.....		40		37
Podophyllin, 1/4 gr., Ext. Belladonna, 1/8 gr., Oleo Resin Cayenne, 1/4 gr., Sugar of Milk, 1 gr.				
Podophyllin and Blue, 3 grs.—Podophyllin, 1/2 gr., Blue Mass, 2 1/2 gr.....		25		22
Podophyllin and Henbane—Ext. Henbane, 1 gr., Podophyllin, 1 gr.....		30		27
Podophyllin and Leptandrin, 1 1/2 grs.—Podophyllin 1/2 gr., Leptandrin, 1 gr.....		50		47
Podophyllin and Nux Vomica.....	1 gr.	38		35
Podophyllin, 1/2 gr., Ext. Henbane, 1/8 gr., Ext. Nux Vomica, 1-16 gr.				
Podophyllin, Compound. (Dr. Janeway.).....		30		27
Podophyllin, 1/2 gr., Ext. Belladonna, 1/4 gr., Aloes Soc., 1 gr., Ext. Nux Vomica 1/4 gr.				
Podophyllin Compound.....	1 gr.	30		27
Podophyllin, 2 parts, Ipecac, 1 part, Ext. Henbane, 3 parts.....				
Podophyllin, Comp. (Same as above.).....	2 grs.	50		47
Podophyllin, Compound. (Eclectic.).....		40		37
Podophyllin, 1/2 gr., Juglandin, 1-16 gr., Leptandrin, 1-16 gr., Macrotin, 1-32 gr.				
Oil of Cayenne, 1-32 drop				
Post Partum. (Dr. Fordyce Barker's.).....		60		57
Ext. Colo. Comp. 1 1/2 grs., Powd. Ipecac, 1-6 gr., Ext. Nux Vomica, 1-6 gr., Calomel, 1 1/2 grs., Aloes, 1-6 gr., Ext. Hyoscyamus, 1/2 gr.				
Potassium, Bromide of.....	1 gr.	40		37
Potassium, Bromide of.....	.5 grs.	63		60
Potassium, Iodide of.....	2 grs.	40		37
Quinia and Aloes, 1 gr.—Quinia, 3/4 grs., Aloes, 1/4 gr.		50		47
Quinia and Blue—Sulph. Quinia, 1 gr., Blue Mass, 2 grs., Oleo Resin Blk Pepper, 1/4 gr.		70		67
Quinia and Capsicum. No. 1—Quinia, 1 gr., Capsicum, 1/4 gr.....		40		37



HENRY THAYER CO'S PILLS.

Put up in bottles of 100 and 500.		Prices per 100.	In 100s.	In 500s.
Quinia and Capsicum. No. 2—Quinia, 2 grs., Capsicum, ½ gr.....			60	57
Quinia and Carbonate of Iron—Quinia, 1 gr., Carb. Iron, 2 grs.....			70	67
Quinia and Extract of Belladonna—Sulph. Quinia, 1 gr., Ext. Belladonna, ½ gr.....			70	67
Quinia and Ferrocyanide of Iron.....			1 00	97
Sulph. Quinia, 1 gr., Oleo Resin Cayenne, 1-20 gr., Podophyllin, 1-20 gr., Ferro-				
cyanide Iron, 1 gr., Gelsemin, 1-20 gr., Strychnia, 1-60 gr.				
Quinia, Iodoform and Iron—Iodoform, 1 gr., Carb. Iron, 2 grs., Sulph. Quinia, ½ gr....			90	87
Quinia and Iron, 2 grs —Sulph. Quinia, 1 gr., Quevenne's Iron, 1 gr.....			70	67
Quinia, Iron and Strych., 3 grs.—Sulph. Quinia, 1 gr., Strych., 1-60 gr., Carb. Iron, 2 grs.			70	67
Quinia, Morphia, and Val. Zinc.....			1 00	97
Sul. Quinia, 1 gr., Valerianate Zinc, ½ gr., Sulph. Morphia, 1-12 gr.				
Quinia, Salicylate of.....	2½ grs.	1 50	1 47	
Quinia and Strychnia—Quinia, 1 gr., Strychnia, 1-60 gr.....		75	72	
Quinia, Sulphate of.....	¼ gr., ½ gr., 1 gr	20	17	
Quinia, Sulphate of.....	2 grs.	40	37	
Quinia, Sulphate of.....	3 grs.	60	57	
Quinia, Sulphate of.....	5 grs	1 00	97	
Quinia, Valerianate of.....	½ gr.	75	72	
Quinia, Valerianate of.....	2 grs.	2 75	2 72	
Quinia, Compound.....	2 grs.	1 00	97	
Sulph. Quinia, 1 gr., Arsenious Acid, 1-32 gr., Iron by Hydrogen, 1 gr.				
Quinine and Zinc Valerianates, 2 grs.—Val. Quinine, 1 gr., Val. Zinc, 1 gr.....		1 00	97	
Quinine, Iron, and Zinc Valerianates.....		1 25	1 22	
Valerianate Quinine, 1 gr., Valerianate Iron, 1 gr., Valerianate Zinc, 1 gr.				
Red Clover, Extract of.....	3 grs.	40	37	
Rhatany, Extract of.....	3 grs.	33	30	
Rheumatic—Ext. Colo. Comp., 1½ grs., Ext. Colch. Acet., 1 gr., Ext. Henbane, ¼ gr.,				
Calomel, ½ gr.....		45	42	
Rhubarb. U. S. P., 4 grs —Rhubarb, 3 grs., Soap, 1 gr.....		40	37	
Rhubarb and Magnesia. (Equal parts.).....	2 grs.	25	22	
Rhubarb, Compound. U. S. P., 4 grs.—Rhubarb, Aloes, Myrrh, Oil of Peppermint ..		40	37	
Salicin.....	2 grs.	75	72	
Salicin.....	3 grs	1 00	97	
Salicin.....	5 grs.	1 35	1 32	
Salicylic Acid.....	2 grs., 3 grs.	50	47	
Salicylic Acid.....	5 grs.	75	72	
Saline and Chalybeate Tonic (Flint's.)—Sodii Chlor., 3 grs., Potass. Chlor., 3-20 gr.,				
Potass. Sulph., 1-10 gr., Potass. Carb., 1-20 gr., Sodii Carb., 3-5 gr., Magnes.				
Carb., 1-20 gr., Calcii Phosph. precip., ½ gr., Calcii Carb. precip., ½ gr.,				
Ferri. Redacti., 9-20 gr. Ferri. Protocarb. "Vallet's," 1-20 gr.....		50	47	
Salol.....	2½ grs.	70	67	
Salol.....	5 grs.	1 00	97	
Salol and Phenacetin—Salol, 2½ grs., Phenacetin, 2½ grs.		2 00	1 47	
Sanguinarin.....	½ gr.	30	27	
Sanguinarin.....	1 gr.	40	37	
Santonin.....	½ gr.	25	22	
Sedative—Ext. Musk Root, ½ gr., Ext. Henbane ¼ gr., Ext. Valerian, ½ gr., Ext.				
Cannabis Ind., 1-10 gr.....		40	37	
Silver, Iodide of.....	¼ gr.	40	37	
Silver, Nitrate of.....	¼ gr.	40	37	
Soda Comp.....		20	17	
Soda Bicarb., ½ gr., Potass. Carb., ½ gr., Pulv. Digitalis Fol., 1-6 gr.				
Sodium, Salicylate of.....	5 grs.	1 00	97	
Squill, Compound. U. S. P.....	4 grs.	25	22	
Squill, ½ gr., Ginger, 1 gr., Gum Ammoniac, 1 gr., Soap, 1½ grs.				
Strychnia.....	1-100, 1-60, 1-50, 1-40, 1-32, 1-20, 1-16, 1-12 gr.	20	17	
Strychnia, Compound.....		1 00	97	
Strychnia, 1-20 gr., Arsenic, 1-20 gr., Quinia, 1 gr., Iron by Hydrogen, 2 grs.				
Strychnia, Compound. Formula "B".....		45	42	
Strychnia, 1-100 gr., Powd. Ginseng, 1 gr., Carb. Iron, 1 gr., Ext. Cannabis				
Ind., 1-16 gr., Phosphorus, 1-100 gr.....				
Strychnia, Valerianate of.....	1-60 gr.	50	47	
Syphilitic. Iodide of Potass., 2½ grs., Corrosive Sublimate, 1-40 gr.....		55	52	
Tannin.....	1 gr.	45	42	
Tartar Emetic.....	1-20, 1-10, ¼ gr.	20	17	
Tonic. (Allen's).....		60	57	
Quinine Sulphate, 1 gr., Arsenious Acid, 1-50 gr., Iron by Hydrogen, ½ gr.,				
Strychnine, 1-50 gr.....		30	27	
Tonic.....				
Ext. Gentian, 1 gr., Ext. Hop, ½ gr., Carb. Iron, ¼ gr., Ext. Nux Vomica, 1-20				
gr., Podophyllin, 1-25 gr., Ginger, ¼ gr.....				
Trillin.....	1-10 gr	25	22	
Triplex. Aloes, 2 grs., Podophyllin, ¼ gr., Blue Mass, 1 gr.....		40	37	
Valerian. Extract of.....	2 grs.	60	57	
Veratrina, Sulphate of.....	1-12 gr.	25	22	
Zinc, Phosphide of.....	1-10 gr.	40	37	
Zinc, Phosphide of, and Nux Vomica—Phosph. of Zinc, 1-10 gr., Ext. Nux Vom., ¼ gr..		40	37	
Zinc, Valerianate of.....	1 gr.	55	52	



COMPRESSED

• TABLET • TRITURATES •

≡ COMBINING . . .

Absolute Accuracy of Dose, Convenience in Administra-
tion, Speedy Disintegration and Consequent Rapid
Absorption, thereby Insuring the Most Effective
Results

WE FEEL CONFIDENT that few physicians will prescribe any of the powerful remedies, such as aconite, morphia, digitalis, arsenic, etc., either in powders or in solutions, when fully aware of the advantages presented by our **TRITURATES**; their accuracy and convenience in administration, coupled with the absolute freedom from danger in prescribing, always attending to a greater or less extent, the dispensing of dangerous drugs, in the form of powders, drops, or large doses in solution.

The **TRITURATES** are absolutely exact, will keep indefinitely, with little or no danger of loss; they can be readily swallowed with a mouthful of water; or, if smaller doses be required for infants, the tablets can be reduced to a fine powder, by simply crushing them with a knife or the thumb nail.

Our List embraces almost every drug in popular demand, and the doses are so graduated as to meet almost every indication.

Triturates to be genuine preparations, must be made in accordance with certain well-defined principles.

They must contain the precise quantity of medicaments they are alleged to have, and must be accurate in dose.

They must be genuine mixtures, in that the medicinal agent is uniformly distributed through the whole mass.

Tablet Triturates must be firm enough to retain their form, yet friable enough to break up in a powder when moderate pressure is applied.

If the medicament contained in a tablet triturate is a soluble substance, the solubility should be preserved.

All of JOHN WYETH & BROTHER'S Goods in Stock and
for Sale at Manufacturers' Prices, by

CHAS. TRUAX, GREENE & CO.

. . . . CHICAGO, ILL.



Wyeth's Liquid Malt Extract.

Containing all the Nutrient Properties of Malt,
With the least possible amount of Alcohol.

We claim that our LIQUID MALT EXTRACT will be found to contain all the nutritive virtues of the best Malt-Liquors in a higher degree than any of the largely sold liquid malts, with which we have compared it, while it is free from the stimulating effect, which invariably follows their administration.

This is not a beverage, but a most agreeable and valuable nutrient, tonic, and digestive agent, containing a large amount of nutritious extractive matter and the smallest percentage of alcohol found in any liquid preparation of malt. Since the introduction of this preparation to the medical profession, about ten years ago, it has steadily grown in favor, and those who have given the subject of Malt Extracts the most careful study and investigation are unanimous in endorsing all the claims we have made for it.

As it contains less than three per cent of alcohol, it can be given to invalids, children, etc., without danger of the secondary depressant effects, so frequently experienced from the administration of spirituous remedies.

JOHN WYETH & BRO.,

Manufacturing Chemists, PHILADELPHIA.

All of JOHN WYETH & BROTHER'S GOODS in Stock
and for Sale at Manufacturers' Prices, by

CHAS. TRUAX, GREENE & CO.,

..... CHICAGO, ILL.



COMPRESSED LOZENGES

OF THE UNITED STATES PHARMACOPŒIA
BRITISH PHARMACOPŒIA,
LONDON THROAT HOSPITAL,
DR. MORRELL MACKENZIE,
AND UNOFFICIAL FORMULÆ.

THE KIND favor and cordial endorsement extended by the Drug Trade and Medical Men to our Compressed Pills, Compressed Tablets, and Compressed Hypodermic Tablets, have induced us to extend our line, and to manufacture the above class of preparations, which are in more general popular demand than almost any other, containing active medicinal ingredients. We do not desire that this series of preparations, as prepared by us, shall be confused with the numerous confections and pasty mixtures, so much in vogue. Our Lozenges are intended, strictly and exclusively, for medicinal purposes. They embrace all those authorized by the United States Pharmacopœia, British Pharmacopœia, the London Hospital for diseases of the Throat, and a number of unofficial combinations that have long been recognized by the profession, as almost standard remedial agents, as well as having a widespread and popular demand. Our novel and peculiar process of compressing from perfectly dry powders, insures permanency and freedom from atmospheric influences, so apt to affect and render unsightly, these preparations, as generally manufactured; this, together with the perfection of our machinery, enables us to produce a Lozenge of exact weight, accuracy of dose, beauty of finish, and thorough admixture of active medicinal ingredients, which must commend them to all, and supply a want long felt. We feel assured from the favor already evinced, wherever we have shown our Lozenges, they will receive the cordial endorsement of the profession and consumers generally.

JOHN WYETH & BROTHER,
PHILADELPHIA.

All of John Wyeth & Brother's goods in stock,
and for sale at Manufacturers' prices, by

CHAS. TRUAX, GREENE & CO.

CHICAGO, ILL.



SUPPOSITORIES

URETHRAL, NASAL, VAGINAL, AURAL, RECTAL

For convenience in ordering our Suppositories of the various forms and combinations, it is only necessary to specify the numbers.

They are put up in neat wooden boxes, each containing twenty suppositories, and can readily be forwarded to any destination by mail or express.

The list of formulæ has been prepared with much care and research, having been submitted to several of our most eminent medical authorities, who have very cordially endorsed it, and to whom we are deeply indebted for many valuable suggestions as to doses and combinations. It embraces a great variety of formulæ, adapted to almost every symptom or emergency, and the utmost care, exactness and scrupulous attention to detail, so essential in preparing a class of agents containing such potent remedies, are exercised in their manufacture. Each suppository contains the exact amount of drug, thoroughly and evenly incorporated throughout the excipient, thus insuring the most prompt and effective action upon the economy.

Our facilities for manufacturing special formulæ are unequalled, and any desired combination can be prepared in a few hours, upon the most reasonable terms. Quotations will be gladly furnished upon application.

Glycerine Suppositories

CONTAINING NINETY-FIVE PER CENT. GLYCERINE.

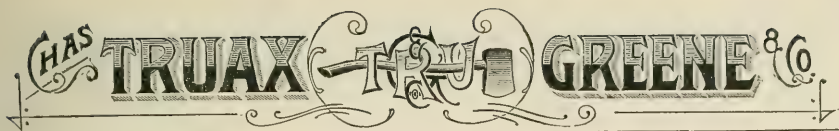
Physicians have appreciated the careful manner with which these are prepared, and the largely increasing sales have demonstrated their value in cases of constipation, either temporary or chronic, and also affording sure and convenient means of administering Glycerine in the form of an enema.

Put up in screw-cap bottles, containing one dozen each.

JOHN WYETH & BROTHER,
MANUFACTURING CHEMISTS,
PHILADELPHIA.

All of John Wyeth & Brother's goods in stock and for sale at manufacturer's prices by

CHAS. TRUAX, GREENE & CO.,
CHICAGO, ILL.



SOLUBLE COMPRESSED

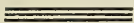
• **HYPODERMIC TABLETS** •



All of our Hypodermic Tablets Compressed without Foreign Admixture,
except when the Bulk of the Medicament is Less than one-twelfth
of a grain,

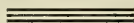


**Recent improvements in our Hypodermic Compressing-Machines,
enable us now to manufacture these Tablets entirely free
from any foreign material, thus insuring immediate solution
and freedom from all possibility of local irritation. . . .**



The advantages of this method over any other, are: —————

1. The convenient size of the tablets.
2. Their immunity from change.
3. Their accuracy of dose.
4. Their certainty and rapidity of action.
5. That they may be used by the mouth, nares, urethra and rectum.
6. Their adaptability to ophthalmic medication.



COMPRESSED OPHTHALMIC DISCS.

At the request and under the directions of Dr. Casey A. Wood, of Chicago, we have been for several months past experimenting and considering the feasibility of preparing a series of Ophthalmic Discs, for the convenient, extemporaneous, and efficient treatment of all the various affections of the eye.

We believe Dr. Wood's attention was primarily directed to our establishment by the perfection we had attained in the manufacture of our Compressed Hypodermic Tablets, which led him to suggest our manufacturing a series of compressed discs, containing all the medicaments ordinarily used in ophthalmic practice. Our list embraces some eighty different combinations and formulæ.

We are under great obligations to Dr. Wood for his originating the idea, his suggestions and counsel in every stage of the endless experiments necessary to attain the perfection, accuracy, and exactness, which we feel satisfied every practitioner will recognize.

All of JOHN WYETH & BROTHER'S Goods in Stock
and for Sale at Manufacturers' Prices, by —————

CHAS. TRUAX, GREENE & CO., CHICAGO, ILL.



PURE PEPSIN. (PEPSIN PORCI.) OR.

PEPSIN OBTAINED FROM THE STOMACH OF THE PIG,
IN A PURE AND PALATABLE FORM. NEUTRAL.

This Pepsin represents in the most concentrated form, the digestive principle contained in the stomach of the pig. For strength and purity, we believe it to be unequaled by any Pepsin manufactured.

One grain, dissolved in sixteen fluid ounces of water, acidulated with seventy minims of muriatic acid, will digest 2,500 grains of coagulated albumen at 104° F., in six hours.

GRANULAR PEPSIN.

PURE-SOLUBLE. UNIFORM IN STRENGTH.

This pepsin is perfectly soluble, and will make an absolutely clear solution; it represents in the most concentrated form, the digestive principle contained in the stomach of the pig. For strength and purity we believe it to be unequaled by any Pepsin manufactured.

One grain dissolved in sixteen fluid ounces of water, acidulated with seventy-five minims of muriatic acid, will digest 2,500 grains of coagulated albumen in six hours, at 104° F.

PURE PANCREATIN.

AN ACTIVE AND PERMANENT PREPARATION OF THE PANCREATIC FERMENTS.

This article contains the three principal ferments of the Pancreas: Steapsin, Trypsin and Amylopsin, in the same proportions as they are found in fresh pancreatic juice. It digests fibrin in alkaline solution, dissolves the casein of milk, emulsifies fat, and converts starch into sugar.

WYETH'S ELIXIR OF THE DIGESTIVE FERMENTS

A Pleasant and Palatable Solution of the Digestive Principles Secreted by the Calf and Pig, in
Combination with Amylopsin, the Starch Digesting Ferment of the Pancreas.

This elixir, while of service in relieving the simple and aggravated forms of dyspepsia, is calculated to eliminate some of the more prominent and persistent concomitants thereof, such as constipation, diarrhoea and flatulency. It will also prove useful in debilitated conditions of the system, as it may be employed to advantage for the purpose of partly predigesting foods especially indicated in disease, or during the after-convalescence, and may be given with perfect safety to the most fastidious, to those with delicate stomachs and to children. It will prove of service also in Gastralgia, Enteralgia, Cholera Infantum, Entero-colitis, Dysentery and in the Vomiting of Pregnancy. It is well adapted to the wants of nursing mothers, and in cases of digestive disorders occurring in teething children.

One teaspoonful of this Elixir will digest 1,000 grains of coagulated albumen in eight ounces of acidulated water (1 per cent HCl.), at 104° F., in four to six hours. One teaspoonful, if added to a half-pint of luke-warm milk, will quickly produce a firm curd.

All of John Wyeth's & Brother's goods in stock and for sale at manufacturers prices, by

CHAS. TRUAX, GREENE & CO.,

CHICAGO, ILL.



WYETH'S BEEF JUICE.

A LIQUID PREPARATION OF THE CHOICEST BEEF,

Containing the Nutritious Albuminous Principles in an Unaltered and Soluble Form,

Physicians have, for a long time, had their attention called to the fact that beef extracts, made by the LIEBIG process, are utterly devoid of the valuable and nutritious albuminous constituents of meat, as these are coagulated and filtered out in the process of manufacture. In consequence, the most advanced class of medical practitioners to-day, merely use the commercial extracts of meat as stimulants, and not for any nutritious properties they may possess.

Realizing this fact, we have, after continued and exhaustive experiments, succeeded in preparing the article which we offer as WYETH'S BEEF JUICE, and for which we make the following aims:

FIRST:

That it contains *all the albuminous principles of beef* in an active and soluble form. This may be proven by mixing a small portion of Beef Juice with an equal part of water in a test-tube or any convenient vessel, and gradually heating to the boiling point, when the albuminous principles will be coagulated.

SECOND:

That it contains the Hæmoglobin of the meat



Fac-Simile of Bottle.

unaltered, as is evidenced by the bright arterial color of the preparation, and by the fact that it loses this color upon boiling, the Hæmoglobin being precipitated with the albumen.

THIRD:

That it will be found upon trial to possess the nutritive properties of the choicest beef to a higher degree than any extract of meat yet offered to the profession.

Physicians will find WYETH'S BEEF JUICE of great value as a strengthening diet in cases of convalescence, consumption, nervous prostration, and similar diseases; also, in typhoid fever, debility, etc. Beef Tea prepared from it contains more nourishment than any other liquid preparation of meat, and when properly seasoned, is more grateful and appetizing to the patient. Professional men who are suffering from overwork, mental anxiety, etc., will find that one-half teaspoonful, in about half a glass of iced water, taken at intervals during the day, and upon retiring, will relieve fatigue—both of mind and body.

DIRECTIONS.—In cases of debility, nervous prostration, convalescence, etc., one-half to one teaspoonful in a half tumblerful of iced or lukewarm water.

CAUTION.—As the valuable albuminous elements are rendered insoluble by extreme heat, this preparation should only be mixed with iced or LUKEWARM water, and *never* with water at the boiling point.

JOHN WYETH & BRO., Chemists, Philadelphia, Penn.

All of John Wyeth & Bro's Goods in Stock and for Sale at Manufacturer's Prices by

CHAS. TRUAX, GREENE & CO., Chicago, Ill.



JOHN WYETH & BROTHER,

PHILADELPHIA.

MANUFACTURERS OF

Elegant Pharmaceutical Preparations

Compressed Tablet Triturates, Compressed Pills, Sugar Coated Compressed Pills, Compressed Hypodermic Tablets, Compressed Ophthalmic Discs.

COMPRESSED LOZENGES of the U. S. P., B. P., London Throat Hospital, and other Standard Formulæ.

Soda Mint and Chlorate of Potash Tablets.

COMPRESSED COCAINE TABLETS AND LOZENGES (for Hay Fever, Rose Cold, etc.),
PEPTONIC PILLS, CHLORAMINE PASTILLES.

Fluid Extracts, Elixirs, Wines and Syrups,

PURE AND SACCHARATED PEPSIN, DIALYSED IRON.

Nasal, Aural, Rectal, Vaginal and Urethral, Suppositories,
Of New and Improved Formulæ.

GLYCERIN SUPPOSITORIES (95 per cent. Glycerin), RUBEFACIENT AND ANODYNE CONES,
MENTHOL PENCILS.

Liquid Extract of Malt, Wyeth's Beef Juice.

AGENTS FOR

MARVIN'S PURE COD LIVER OIL, QUINQUINIA, BISHOP'S GRANULAR EFFERVESCENT SALTS, ROBERT'S ANTI-ASTHMATIQUE CIGARES, LAWTON'S ABSORBENT COTTON, BISHOP'S SALINE APERIENT.

We will be glad to give quotations for Compressing Special Formulæ of Lozenges and Pills in quantities. Price List and other printed matter will be sent by mail on application.

All of John Wyeth & Brother's goods in stock and for sale at manufacturers' prices, by

CHAS. TRUAX, GREENE & CO., Chicago. Ill.



DISPENSING SUPPLIES AND DRUG SUNDRIES

Alcohol Lamps, glass, 2 oz., Fig. 340.....	each	\$0 25
“ “ “ 4 “.....	each	35
“ Stoves, brass, plain.....	each	20
“ “ best quality.....	each	50



Fig. 205.



Fig. 206.



Fig. 207.

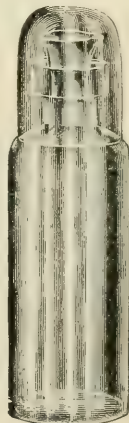


Fig. 208.

BOTTLES. Shelf.

	Per Doz.
Tinctures, Fig. 207, 1 oz.....	\$0 60
2 oz.....	75
4 oz.....	90
8 oz.....	1 05
16 oz.....	1 20
32 oz.....	1 35
Half gallon.....	2 40
One gallon.....	3 60
Salt Mouths, Fig. 206, 1 oz.....	75
2 oz.....	90
4 oz.....	1 05
8 oz.....	1 35
16 oz.....	1 50
32 oz.....	1 95
Half gallon.....	3 00
One gallon.....	4 80

No. For

Directions,

—FROM—

JOHN P. SMITH, PHYSICIAN AND SURGEON,
CHICAGO, ILLINOIS.

IN ORDERING WRITE NAME AND ADDRESS PLAINLY.

JOHN B. MATTHEWS, M. D.,
MT. AUBURN, ILLINOIS.

No.

For

Dose,

T., G. & Co.'s Black Border No. 9. 1000, \$1.25. 500, 90c.

F. C. LOVELADY, M. D.,
OENAVILLE, TEXAS.

No.

For

Dose,

T., G. & Co.'s Black Border No. 10. 1000, \$1.00. 500, 75c.

TRUAX, GREENE & Co.'s BLACK BORDER.

THREE SIZES.		
2 3/4 x 3 1/4	500, \$1.15	1000, \$1.75
1 7/8 x 2 3/4	500, 1.05	1000, 1.50
1 7/8 x 2 1/2	500, .90	1000, 1.25

The above will be furnished in blue and silver at following prices:

Large size	500, \$1.65	1000, \$2.25
Medium size	500, 1.40	1000, 2.00
Small size	500, 1.15	1000, 1.75

The wording of any label can be arranged to suit party ordering.
Special styles furnished at lowest prices.

Shake Well before Using.

Schüttle die Flasche.

For External Use Only.

Für äußerlichen Gebrauch.

POISON! BE CAREFUL.

Price, 10c. per 100 of each of above.

WARREN D. TALLMAN,
Physician + and + Surgeon,
SYRACUSE, NEW YORK.

No.

For

Dose,

T., G. & Co.'s Black Border No. 8. 1000, \$1.50. 500, \$1.00.

E. W. BURNHAM, M. D.,
PAWNEE CITY, NEB.

Directions,

T., G. & Co.'s Gold Border No. 0. 1000, \$2.00. 500, \$1.50

S. M. LITTLEFIELD, M. D.,
ANDREW, IOWA.

Directions,

T., G. & Co.'s Gold Border No. 1. 1000, \$1.50. 500, \$1.00.

W. H. LEWIS, M. D.,
BIRNAMWOOD, - WISCONSIN.

Directions,

T., G. & Co.'s Gold Border No. 2. 1000, \$1.35. 500, 90c.

NOTICE.

To customers ordering labels: In explanation of occasional delays in executing orders for dispensing labels, we beg to state that it is customary with label printers to allow orders to accumulate until sufficient of a kind are received to complete a form for a press. Thus the expenses for labor is no greater for a large number than the cost of a single order under the old method. This enables the very low prices at which we are now supplying labels, which we think fully repays the slight delay incurred.

No. Date,

For

JOHN McLENDON, M. D.,

South Main Street, CALVERT, TEXAS.

TRUAX, GREENE & Co.'s Gold Border No. 3.
1000, \$2.00. 500, \$1.50.

No. Date,

For

CHAS. S. MORRISON, M. D.,
CHENOA, ILLINOIS.

TRUAX, GREENE & Co.'s Gold Border No. 4.
1000, \$1.75. 500, \$1.25.

No. Date,

For

F. D. JACKSON, M. D.,
VINELAND, NEW JERSEY.

TRUAX, GREENE & Co.'s Gold Border No. 5.
1000, \$1.50. 500, \$1.00.



POISON.

N. D. WOODS, M. D.,
GREENWOOD, ARK.

TRUAX, GREENE & Co.'s Poison No. XX.
1000, 35c. 500, 25c. 250, 20c.

Directions,

No. For

R. M. MASON, M. D.,
BELLEVILLE, - ILLINOIS.

TRUAX, GREENE & Co.'s No. 5½.
1000, \$1.35. 500, 90c.

Directions,

No. For

J. H. THROOP, M. D.,
CARBON, - INDIANA.

TRUAX, GREENE & Co.'s No. 6.
1000, \$1.50. 500, \$1.00.

Directions,

No. For

CHAS. E. IRWIN, M. D.,
HENDERSON, IOWA.

TRUAX, GREENE & Co.'s No. 7.
1000, \$1.75. 500, \$1.25.

J. M. ARMSTRONG, M. D.,
TARBORO, NORTH CAROLINA.

No. Date,

T., G. & Co.'s No. 12. 1000, \$1.50. 500, \$1.00.

F. S. JENNINGS, M. D.,
DRYDEN, NEW YORK.

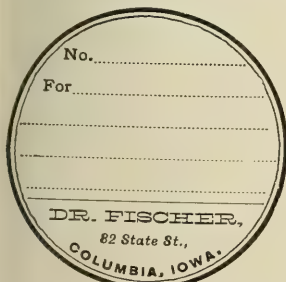
No. Date,

T., G. & Co.'s No. 13. 1000, \$1.25. 500, 90c.

C. D. STANLEY, M. D.,
ONEKAMA, MICH.

No. Date,

T., G. & Co.'s No. 14. 1000, \$1.00. 500, 75c.



Large, price, 1000, \$1.25. 500, 90c.



Medium, price, 1000, 80c. 500, 60c.



Small, price, 1000, 70c. 500, 50c.

No.

W. J. STEVENSON, M. D.,

LAUDERDALE, MISS.

DIRECTIONS.

T., G. & Co.'s No. 15.
1000, \$1.25. 500, 90c.

No.

W. J. STEVENSON, M. D.,

LAUDERDALE, MISS.

DIRECTIONS.

T., G. & Co.'s No. 16.
1000, \$1.00. 500, 75c.

No.

W. J. STEVENSON, M. D.,

LAUDERDALE, MISS.

DIRECTIONS

T., G. & Co.'s No. 17.
1000, 90c. 500, 60c.

NOTICE.—To customers ordering labels. In explanation of occasional delays in executing orders for dispensing labels, we beg to state that it is customary with label printers to allow orders to accumulate until sufficient of a kind are received to complete a form for a press. Thus the expenses for labor is no greater for a large number than the cost of a single order by the old method. This enables the very low prices at which we are now supplying labels, which we think fully repays the slight delay incurred.

IN ORDERING WRITE NAME AND ADDRESS PLAINLY.

Wording of any label can be arranged to suit party ordering.

Round Pill Box Labels fit the three largest sizes in nest of common Red Pill Boxes. When ordering specify size wanted.

SIZES OF DRUG ENVELOPES.

No. 1, Size 1½x3 inches.....White or Assorted Tints.
 No. 2, Size 2x3¼ inches.....White or Assorted Tints.
 No. 3, Size 2¼x3½ inches.....White or Assorted Tints.
 No. 4, Size 2½x4¼ inches.....White or Assorted Tints.
 Unless specified in your order "Assorted Tints" White will invariably be furnished.

No. For

J. C. CHRISTIAN, M. D.,
 SPENCERPORT, N. Y.

TRUAX, GREENE & Co.'s Drug Envelope. Style No. X. Size No. 2.
 1000, \$2.00. 3000, \$5.00. 500, \$1.25.

No. For

H. S. MAYNARD, M. D.,
 626 West Lake Street, CHICAGO, ILLINOIS.

T., G. & Co.'s Drug Envelope. Style No. XX. Size No. 1.
 1000, \$1.75. 500, \$1.00.

T. F. POPPELBAUM, Physician and Surgeon,
 PARNELL, IOWA.

Directions,

No. Date,

TRUAX, GREENE & Co.'s Drug Envelope. Style No. XXX. Size No. 4.
 1000, \$2.50. 500, \$1.75.

In ordering state style and size plainly.

Wording of any label can be arranged to suit party ordering.

Gummed labels will invariably be sent, unless ungummed are specially ordered. No discount allowed on ungummed labels.

Always order by number and do not cut or mutilate the specimens.

JOSEPH H. POTTS, M. D.,
 JACKSONVILLE,
 FLORIDA.

CASS COUNTY,

For R.

TRUAX, GREENE & Co.'s Prescription Blank No. 19.
 1000, \$1.75. 500, \$1.25.
 Bound in Books, 7c each per 100. Tabletting, 5c. each per tablet of 100.

No. Date,



DISPENSING SUPPLIES AND DRUG SUNDRIES.

TRUAX, GREENE & CO'S MONOGRAM SQUARE VIALS. Best flint glass.

The dozen price will be charged in less than gross lots.

	Per gross in full cases.	Per gross in less than full cases.	Per dozen in less than gross lots.
$\frac{1}{2}$ oz., 5 gross in case	\$1 50	\$1 65	\$0 16
1 oz., 5 " "	1 50	1 65	16
2 oz., 3 " "	1 75	1 95	20
3 oz., 2 " "	2 15	2 40	23
4 oz., 2 " "	2 40	2 70	26
6 oz., 1 " "	2 90	3 25	30
8 oz., 1 " "	3 40		35
12 oz., $\frac{1}{2}$ " "	5 00		50
16 oz., $\frac{1}{2}$ " "	5 80		60

PRICES FOR BOTTLES WASHED, CORKED AND WRAPPED.

$\frac{1}{2}$ oz. per doz.	18	3 oz. per doz.	30	8 oz. per doz.	50
1 " " "	20	4 " " "	35	16 " " "	75
2 " " "	24	6 " " "	40		

For the convenience of physicians we have these vials well washed, corked with the best corks and wrapped with light manilla paper. The advantage of using these will be readily seen, for not only are the bottles always ready for use, with corks fitted, but a wrapper is supplied which can be used to re-wrap the vial after being filled and labeled. We supply to order gummed labels, printed with physician's name and address. See label page.

BOTTLES, Prescription, flint, Blake, Tall.

The dozen price will be charged in less than gross lots.

	Per gross in full cases.	Per gross in less than full cases.	Per dozen in less than full cases.
$\frac{1}{2}$ oz., 5 gross in case	\$1 50	\$1 70	\$0 16
1 " 5 " " "	1 50	1 70	16
2 " 3 " " "	1 75	2 00	20
3 " 2 " " "	2 25	2 55	23
4 " 2 " " "	2 50	2 85	26
6 " 1 " " "	3 00	3 40	30
8 " 1 " " "	3 50	4 00	35
12 " $\frac{1}{2}$ " " "	5 00		50
16 " $\frac{1}{2}$ " " "	5 75		60

HOMŒOPATHIC VIALS.

VIALS—HOMŒOPATHIC, flint, patent lip, heavy tubes:

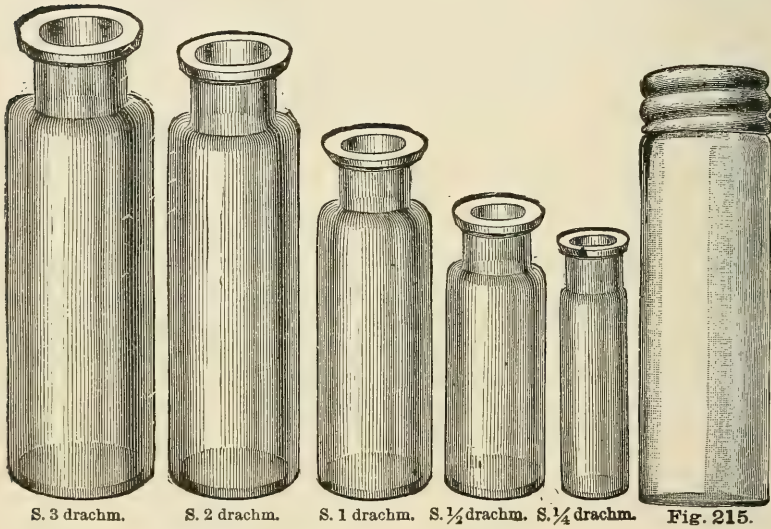
$\frac{1}{4}$ drachm, 1 gross in box, per gross	\$0 70
$\frac{1}{2}$ " 1 " " "	70
1 " 1 " " "	75
$1\frac{1}{2}$ " 1 " " "	80
2 " 1 " " "	85
3 " 1 " " "	1 10
4 " 1 " " "	1 75



DISPENSING SUPPLIES AND DRUG SUNDRIES.

BOTTLES—Nickel-plated screw cap, Fig. 215.

1 drachm, doz.	\$0 20
2 " "	25
3 " "	30
4 " "	35



SCALE OF MILLIMETERS—In ordering case vials, please specify diameter and length, according to scale below.

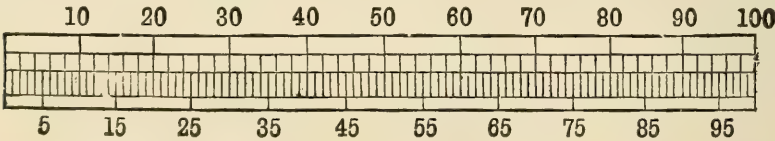


Fig. 220.



Fig. 222.

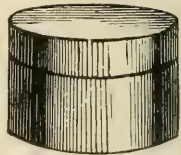


Fig. 224.

BOXES, Pill, paper, common red, nested, 4 sizes in nest, 12 nests or 1/2 gross in paper, Fig. 220.	gross \$0 35
" " Bronze, shouldered, nested, 4 sizes in nest, 12 nests in paper, Fig. 224.	gross 75
This is much stronger than the ordinary red pill box, and will give good satisfaction.	



DISPENSING SUPPLIES AND DRUG SUNDRIES.

BOXES, Pill, paper, No. 5, same as Fig. 224, holding about 2 doz. granules, 1 gross in box.....gross...	\$0 50
" " No. 6, same as Fig. 224, holding about 1 doz. 3 grain pills, 1 gross in box.....gross	60
" " No. 7, same as Fig. 224, holding about 2 dozen 3 grain pills, 1 gross in box.....gross	75
" " No. 8, same as Fig. 224, holding about 3 dozen 3 grain pills, 1 gross in box.....gross	90
" " French Edges, small, Fig. 222, 1 gross in box.....gross	65
" " " " medium, Fig. 222, 1 gross in box...gross	75
" " " " large, Fig. 222, 1 gross in box.....gross	85
" " Nested, same above, $\frac{1}{4}$ gross in paper.....gross	75

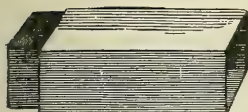


Fig. 226.



Fig. 229.

BOXES, Powder, slide, small, Fig. 226.....gross	\$0 80
" " medium, ".....gross	90
" " large, ".....gross	1 00
" " nested, ".....gross	90

BOXES, Tin, for ointment, pieced, 1 oz.....per 100	60
" " " 2 oz.....per 100	70
" " " 3 oz.....per 100	1 00
" " " 4 oz.....per 100	1 25
" " " 8 oz.....per 100	2 25

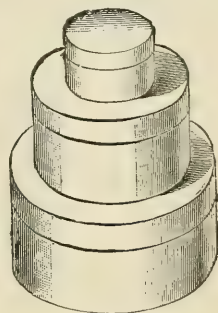


Fig. 230.

" " seamless, Fig. 229, 1 dr.....per 100	\$0 30
" " " $\frac{1}{4}$ oz.....per 100	35
" " " $\frac{1}{2}$ oz.....per 100	50
" " " 1 oz.....per 100	65
" " " 2 oz.....per 100	1 00
" " " 3 oz.....per 100	1 40
" " " 4 oz.....per 100	1 60

BOXES, Wood, turned, Fig. 230, $\frac{1}{4}$ oz.....gross	35
" " $\frac{1}{2}$ oz.....gross	50
" " 1 oz.....gross	70
" " 2 oz.....gross	1 00
" " 3 oz.....gross	1 40
" " 4 oz.....gross	1 65

CHAMOIS SKINS.

Small.....doz	\$2 00 to	3 00
Medium.....doz	3 50 to	5 00
Large.....doz	6 00 to	10 00

CORKS X or Common.

No. 3, 5 gross in sack, per sack. \$	37	In less quantities, per gross	10
No. 4.....	45	per gross	12
No. 5.....	58	per gross	15



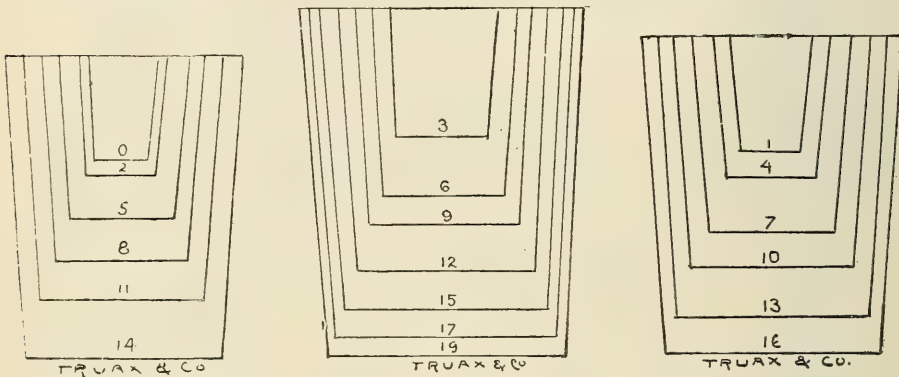
DISPENSING SUPPLIES AND DRUG SUNDRIES.

CORKS, X or Common.

No. 6, 5 gross in sack, per sack	73	in less quantities per gross	\$0 20
No. 7.....	" 1 10	per gross	28
No. 8.....	" 1 40	per gross	35
No. 9.....		per gross	40
No. 10.....		per gross	55
Nos. 1 to 6, assorted for physicians, 5 gross in sack.....		per sack	45
Nos. 3 to 6	" " " " " "	" " " "	55

Sizes of Corks.

Order by Number.



CORKS, XX Selected.

No. 00, 5 gross in sack, per sack \$	61	In less quantities, per gross	15
No. 0.....	" 61	per gross	15
No. 1.....	" 67	per gross	18
No. 2.....	" 74	per gross	19
No. 3.....	" 84	per gross	22
No. 4.....	" 1 05	per gross	25
No. 5.....	" 1 30	per gross	32
No. 6.....	" 1 60	per gross	38
No. 7.....	" 2 15	per gross	50
No. 8.....	" 2 60	per gross	60
No. 9.....		per gross	75
No. 10.....		per gross	90
No. 11.....		per gross	1 00
No. 12.....		per gross	1 10
No. 13.....		per gross	1 20
No. 14.....		per gross	1 35
No. 15.....		per gross	1 45
No. 16.....		per gross	1 60
Nos. 1 to 6, assorted for physicians, 5 gross in sack.....		per sack	1 05
Nos. 3 to 6,	" " " " " "	" " " "	1 20

CORKS—Rubber.

No. 7.....per doz	08	No. 6½.....per doz	98
No. 6.....	" 06	No. 5½.....per doz	10
No. 5.....	" 10	No. 4½.....per doz	13
No. 4.....	" 13	No. 3½.....per doz	16
No. 3.....	" 18	No. 2½.....per doz	25
No. 2.....	" 30	No. 1.....per doz	45
No. 0.....		per doz	50

HAS TRUAX & GREENE & CO.

DISPENSING SUPPLIES AND DRUG SUNDRIES.

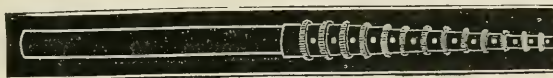


Fig. 243.

Of Polished Brass, with Handle and Sharp Edges, six inches long.

CORK BORERS, in sets of six pieces, from $\frac{1}{8}$ to $\frac{1}{32}$ inch in diameter, Fig. 243, set \$1 50

In sets of 12 pieces, from $\frac{1}{8}$ to $\frac{1}{16}$ inch in diameter.....set 3 50

Diameter of sets, 6— $\frac{1}{8}$, $\frac{3}{16}$, $\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$, $\frac{1}{2}$;

12— $\frac{7}{16}$, $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$, $\frac{7}{8}$, $\frac{1}{1}$ inch.

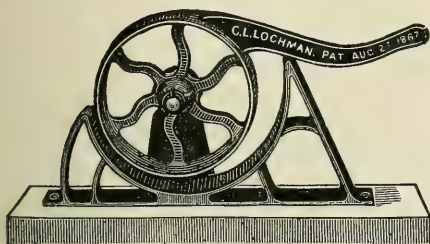


Fig. 244.

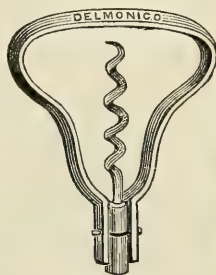


Fig. 249.



Fig. 247.

CORK PRESSES, Rotating, Fig. 244.....each \$0 75

Lever, Fig. 251.....each 30

CORKSCREWS, Common, wood handle, each 10c. to 35

Common, wire, pocket folding each 20c. to 25

Hard rubber, pocket folding, Fig. 247, each 50



Fig. 251.

ENVELOPES, Drug, for powders, white, No. 1.....per thousand \$0 60

" " " 2....." " 70

" " " 3....." " 80



Fig. 252.

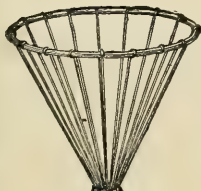


Fig. 253.



Fig. 258.



Fig. 259.

FLASKS, Pocket, leather covered, metal screw-top and metal cup, Fig. 252.

$\frac{1}{4}$ pint.....each \$0 80

$\frac{1}{2}$ pint.....each 1 00

$\frac{3}{4}$ pint.....each 1 25

HAS TRUAX & GREENE

DISPENSING SUPPLIES AND DRUG SUNDRIES.

FILTER PAPER, Gray, round, 6 inch.....	quire	\$0 08
“ “ “ 10 inch.....	quire	10
“ “ “ 13 inch.....	quire	13

FILTER RACKS, Fig. 253, squeezers.		
5 inch.....	each	35
7 inch.....	each	45
9 inch.....	each	60

FILTER STAND, Three ring.....	each	75
Four ring. Fig. 260.....	each	1 00

FUNNELS, Glass, 1 oz., Fig 259.....	each	\$0 08
Glass, 2 oz.....	each	10
“ 4 oz.....	each	12 each \$0 15
“ 8 oz.....	each	15 each 20
“ 16 oz.....	each	20 each 25
“ 32 oz.....	each	25 each 35
Half gallon.....	each	35 each 45

GRADUATES, Minim.....	each	20
½ oz.....	each	\$0 15

1 oz.....	each	\$0 15
2 oz.....	each	20
3 oz.....	each	25
4 oz.....	each	30
6 oz.....	each	35
8 oz., Fig. 258.....	each	40
Pints.....	each	60
Quarts.....	each	1 00
Double Scale, Ounces on one side and cubic centimeters on the other.		
1 oz. and 30 cubic centimeters.....	each	25
2 “ “ 60 “ “.....	each	30
4 “ “ 120 “ “.....	each	45
8 “ “ 250 “ “.....	each	60
16 “ “ 500 “ “.....	each	90

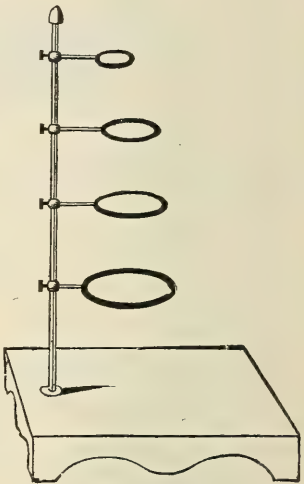


Fig. 260.



Fig. 262.

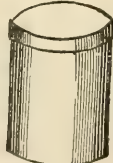


Fig. 263.

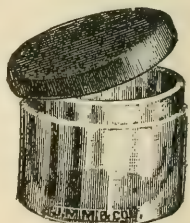


Fig. 265.

JARS, Earthen, white, flat top, Fig. 263.

1 oz.....	doz	\$0 80
2 oz.....	doz	90
4 oz.....	doz	1 00
8 oz.....	doz	1 20
16 oz.....	doz	1 50
32 oz.....	doz	2 50



DISPENSING SUPPLIES AND DRUG SUNDRIES.

Jars, Glass, with wood cover, Fig. 265.

$\frac{1}{4}$ oz.....	doz	30
$\frac{1}{2}$ oz.....	doz	35
1 oz.....	doz	40
2 oz.....	doz	50
4 oz.....	doz	65

Glass, with nickel-plated screw cover, Fig. 262.

$\frac{1}{4}$ oz.....	doz	35
$\frac{1}{2}$ oz.....	doz	40
1 oz.....	doz	50
2 oz.....	doz	60
4 oz.....	doz	85

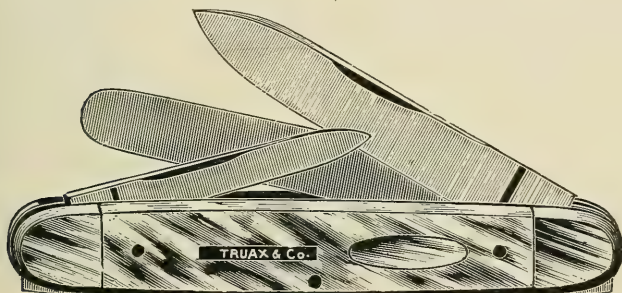


Fig. 270.

KNIFE, Physicians', 3 blades and spatula, pearl handle, Fig. 270..... \$1 25

LABELS, Drug, for dispensing bottles, in books, assorted.....book 75

Dispensing. See sample page.

Glass, for furniture bottles, assorted.....each 9c. to 12

“ Imitation, samples sent on application.....each 06

The prices given are for loose labels—an additional charge will be made for attaching.



Fig. 274.



Fig. 275.



Fig. 276.

MORTARS, Glass, Fig. 274. Prices vary according to weight.

1 oz.....	about \$0 20
2 oz.....	about 25
4 oz.....	about 35
8 oz.....	about 40
16 oz.....	about 75
32 oz.....	about 1 00



DISPENSING SUPPLIES AND DRUG SUNDRIES.

MORTARS,

Iron, half pint, Fig. 275.....	each	\$0 35
Pint	each	45
Quart.....	each	60
Half gallon.....	each	85
One gallon.....	each	1 35

Porcelain.

2 oz.....	each	35
4 oz.....	each	60
8 oz.....	each	80
16 oz.....	each	1 15
32 oz.....	each	1 75

Wedgewood, Fig. 276.

No. 0000, 3 inches across top,	2 ounces.....	each	25
No. 000, 3¼ " " " "	3 " " " " " "	each	30
No. 00, 3½ " " " "	4 " " " " " "	each	35
No. 0, 4 " " " "	6 " " " " " "	each	40
No. 1, 4½ " " " "	11 " " " " " "	each	50
No. 2, 5 " " " "	16 " " " " " "	each	55
No. 3, 6 " " " "	24 " " " " " "	each	65
No. 4, 6½ " " " "	30 " " " " " "	each	80
No. 5, 7 " " " "	40 " " " " " "	each	1 00
No. 6, 8 " " " "	48 " " " " " "	each	1 25
No. 7, 8½ " " " "	3½ pints.....	each	1 60
No. 8, 9½ " " " "	4½ " " " " " "	each	2 00
No. 9, 10½ " " " "	7 " " " " " "	each	2 40
No. 10, 12 " " " "	10 " " " " " "	each	2 75
No. 11, 13 " " " "	13 " " " " " "	each	3 25
No. 12, 14 " " " "	17 " " " " " "	each	3 60

PAPER, Powder, pink or white, in packages of 1,000 sheets.

No. A, size 2 x3	per package	12
No. B, " 2½ x3¼	per package	17
No. C, " 2½ x3½	per package	17
No. D, " 2¾ x3¾	per package	20
No. E, " 3 x4	per package	25
No. F, " 3¼ x3¼	per package	25
No. G, " 3½ x3¾	per package	30

PAPER BAGS, Manilla.

¼ lb.....	per hundred	12
½ lb.....	per hundred	14
1 lb.....	per hundred	18
1½ lb.....	per hundred	20
2 lb.....	per hundred	25
3 lb.....	per hundred	30
4 lb.....	per hundred	35
5 lb.....	per hundred	40

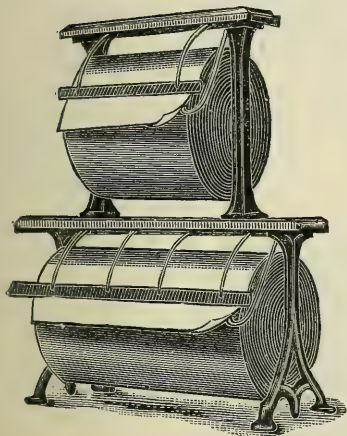


DISPENSING SUPPLIES AND DRUG SUNDRIES.

PAPER, WRAPPING, Manilla or white.

7x 8	for 1 and 2 oz. bottles.....	per lb	\$0 10
8x 8½	“ 3 “ 4 “	per lb	10
9x10	“ 6 “ 8 “	per lb	10
12x12	“ 12 “ 16 “	per lb	10
15x15	“ 32 “	per lb	10
24x36	.....	per lb	10
Rolls any width.....		per lb	10

PAPER ROLL CUTTER.



Japan and hardwood finish, all sizes, 6 to 36 inches.....	each	1 50
High pyramid, three sizes in one rack.....		4 50
Flat “ “ “ “ “ two high.....		4 50
Double “ two high.....		3 00

Nickel plating, 50 cents extra, each machine.

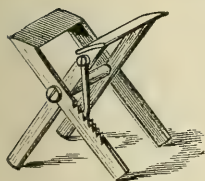


Fig. 282.

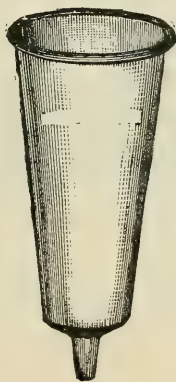


Fig. 280.

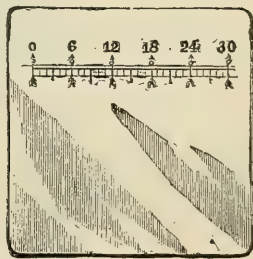


Fig. 284.

PERCOLATORS.

Glass, Conical, Pints, Fig. 280.....	each	\$0 30
“ “ Quarts.....	each	40
“ “ One-half gallon.....	each	50
“ “ One gallon.....	each	75
“ “ Two gallons.....	each	1 25

PILL MACHINES, Brass, side rollers.

To cut 18 pills, 3 grains.....	each	3 75
“ 24 “ 4 and 5 grains.....	each	4 25

PILL TILES, porcelain, Fig. 284.

8 inches square.....	each	75
9 “ “.....	each	1 00
10 “ “.....	each	1 25
8x10 inches.....	each	1 00
10x12 “.....	each	1 75

POWDER FOLDERS, Fig. 282.....each 1 50

POWDER PAPERS, See Paper.

HAS TRUAX & GREENE

DISPENSING SUPPLIES AND DRUG SUNDRIES.

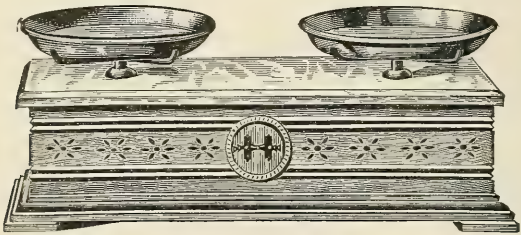


Fig. 285. Antique Oak Box Counter Scale.

SCALE. Fine finished Antique Oak Box, with engraving and dial, Tennessee Marble Top, Nickel-plated Pans.

Diam. of pans, 8 inches; capacity, 15 lbs.....\$12 00

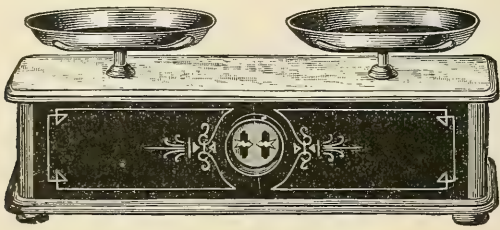


Fig. 286. Ebony Box Scale.

SCALE. Ebony Box with Gold Lines and Dial, Marble Top, Nickel-plated Pans.

Diam. of pans, 8 inches; capacity, 15 lbs.....\$11 00

Diam. of pans, 9 inches; capacity, 25 lbs..... 12 00

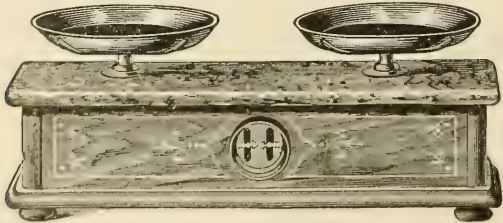


Fig. 287. Cherry Box Scale.

SCALE. Finely finished Cherry Box, with engraving and dial, Tennessee Marble Top, Nickel-plated Pans.

No. 2 diam. of pans, 8 inches; capacity, 15 lbs.....\$11 00

No. 3 diam. of pans, 9 inches; capacity, 25 lbs..... 12 00



DISPENSING SUPPLIES AND DRUG SUNDRIES.

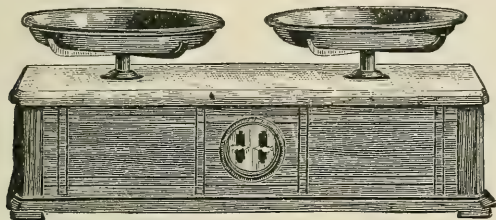


Fig. 288. Lake Side Box Counter Scale.

SCALE, Ash Box, Variegated Marble Top, Glass Dial, and Nickel-plated Pans.
No. 1. diam. of pans, 8 inches; capacity, 20 lbs.....\$10 50

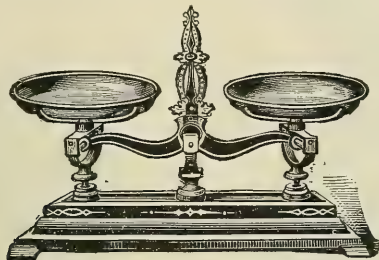


Fig. 289. Robervahl Scales.

SCALE, neatly ornamented in gold lines; heavy brass pans and brass indicator.
No. 2, size of pan, 9 inches; capacity, 15 lbs.....\$ 7 50
" 3, " 8 " " 10 " 6 00
" 4, " 6 " " 5 " 5 00

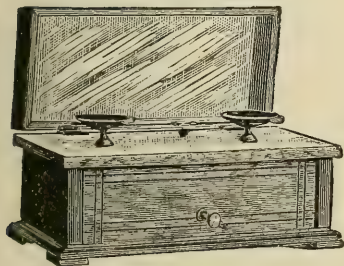


Fig. 290.
Lake Side Box Prescription Scale.

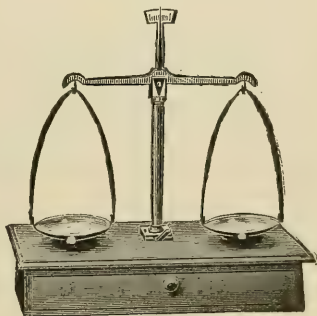


Fig. 291.
Army Prescription Scale.

LAKESIDE BOX PRESCRIPTION SCALE, box made of Ash, Variegated



DISPENSING SUPPLIES AND DRUG SUNDRIES.

Marble Top, and hinged glass cover; has countersunk basin to keep the weights in.

- 2¾ inch nickel-plated pans, sensible to 1/16 grain.
No. 1, diam. of pans, 2¾ inches. Fig 290\$10 00

ARMY PRESCRIPTION SCALE, on polished Walnut Box. Scale packs away in drawer of box. Nicely finished and adjusted. Price includes a full set of weights.

- No. 1, beam, 6 inches; pans, 2½ inches..... 3 00
“ 2, “ 7 “ “ 2¾ “ 3 50
“ 3, “ 8 “ “ 3¼ “ 4 00

The above Scales, nickel-plated, each \$1.00 extra.

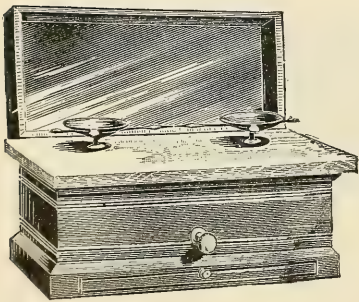


Fig. 292. Fine Mahogany Box Prescription Scale.

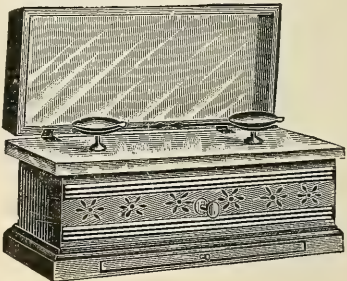


Fig. 300. Antique Oak Box Prescription Scale.

POLISHED MAHOGANY BOX, with Marble Top and hinged glass cover, nickel-plated pans. Sensible to 1/30 grain. Fig. 292.

- No. 1, diameter pans, 2¾ in.....\$11 09
“ 2, “ “ 2¾ “ with drawer for weights..... 12 00
“ 3, large size, diameter pans, 3 in.. with drawer for weights..... 13 00
“ 4, “ “ “ 3¼ in. 12 00

Nos. 1 and 4 have countersunk basin to hold weights in.

ANTIQUE OAK BOX PRESCRIPTION SCALE. Box made of Oak, with Tennessee Marble Top and hinged glass cover, nickel-plated pans. Sensible to 1/30 grain. Fig. 300.

- Diameter of pans, 2¾ in., with drawers.....\$12 50

HAS **TRUAX** *TRU* **GREENE** *& Co.*

DISPENSING SUPPLIES AND DRUG SUNDRIES.

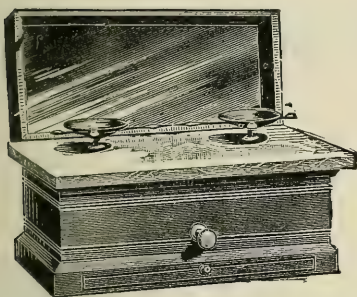


Fig. 307. Ebony Box Prescription Scale.

French Polished Ebony Box, with Marble Top and hinged glass cover, nickel-plated pans; sensible to $\frac{1}{10}$ of a grain.

No. 2. Diameter of pans, $2\frac{3}{4}$ in., with drawer for weights.....\$12 00

No. 3. Diameter of pans, $3\frac{3}{4}$ in., with drawer for weights.....\$12 75

No. 1 has countersunk basin to hold weights in.



Fig. 310. Hand Scales.

5-inch beam, 75c.

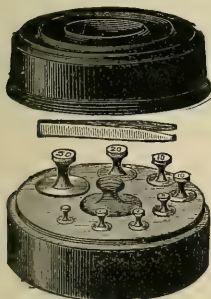


Fig. 312. Metric Weights.

In round Polished Wood Box with Pincet.

50 grain to 1 centigram.....\$1 75

20 " 1 " 1 00

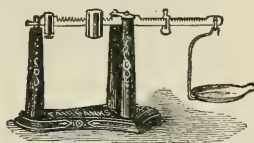


Fig. 308. Fairbank's Prescription Scales.

Jappaned Base and nickel-plated beam.....\$4 25

Nickel-plated base and beam.. 9 00

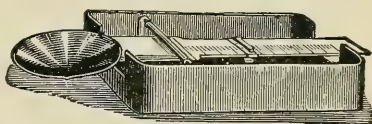


Fig. 309. Fitch's Pocket Prescription Scales, 75c.

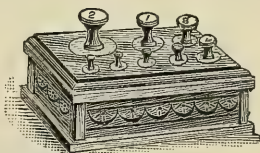


Fig. 311. Block Weights.

Nickel-plated Royal, Imperial and Antique Oak, in elegant designed and finished cherry block.

2 lb. to $\frac{1}{4}$ oz. Nickel-plated...\$4 75



Fig. 313. Coin Weights.

2 drachms to $\frac{1}{4}$ grain; Set, \$0 30

$\frac{1}{2}$ oz. to $\frac{1}{2}$ grain..... " 50

1 oz. to $\frac{1}{2}$ " " 75

2 oz. to $\frac{1}{2}$ " " 1 60

HAS

TRUAX

GREENE

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DISPENSING SUPPLIES AND DRUG SUNDRIES.

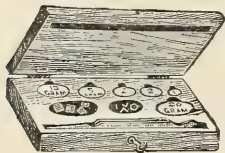


Fig. 320. GRAIN WEIGHTS.
In mahogany box, with pincet.
Specially adapted for dispensing
purposes. 300 grain piece to
1-10 grain, \$1.75.



Fig. 321. Aluminum grain weights.
5 grains to 1/4 grain, set 30c.

NEST WEIGHTS.

Capacity, 4 lbs., down...	Sealed iron,	\$1 25	Cased brass,	\$2 75
" 2 "	"	1 00	"	1 75
" 1 "	"	75	"	1 25

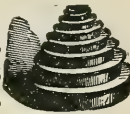


Fig. 322.

SCOOPS.	Horn, small.....	per doz	\$0 60
	" medium.....	per doz	90
	" large.....	per doz	1 20



Fig. 323.

SUPPOSITORY MOULDS, plain folding.....	\$ 2 00
Parker's "Common Sense".....	5 00
Rectal, (in tin frame) 6 moulds, Fig. 331.....	50
" " 12 " ".....	90
Vaginal " 6 " ".....	85
" " 12 " ".....	1 50



Fig. 331.



Fig. 332.

TAPE MEASURES. See page 965.

TWINES.	Cotton, Sea-Island; assorted colors.....	per lb	40
	" " pink.....	per lb	40
	" Hemp, coarse.....	per lb	30
	" Linen, pink.....	per lb	65
	" " red, spools.....	per spool	20

TWINE HOLDERS.

Iron, enameled.....	each	50
Brass, nickel-plated.....	each	1 25
Glass.....	each	60

HAS **TRUAX** **GREENE** & CO.

DISPENSING SUPPLIES AND DRUG SUNDRIES.



Fig. 327.

SPATULAS, solid steel, nickel plated. Fig. 327.

3 inch.....	each	\$0 30
4 inch.....	each	35
6 inch.....	each	45
8 inch.....	each	65
10 inch.....	each	1 00

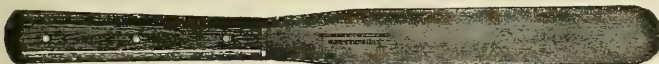


Fig. 328.

Cocoa Handle, Riveted.

3 inch.....	each	20
4 inch.....	each	20
6 inch.....	each	30
8 inch.....	each	40
10 inch.....	each	75

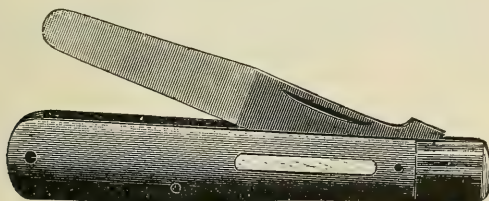


Fig. 330.

Folding Ivory Handle, Fig. 330.....each \$0 75

CHEMICAL GLASSWARE AND APPARATUS.

ALCOHOL LAMPS, Fig. 340, with burner and ground glass cap; 2 oz.....	each	25
4 oz.....	each	35
BEAKERS, 1 oz., Fig. 345.....	doz	1 00
2 oz.....	doz	1 15
4 oz.....	doz	1 75
8 oz.....	doz	2 25
10 oz.....	doz	3 00
Nested, Fig. 345, 2 to 10 oz., 5 in nest.....	nest	85
BELL GLASSES, Short, Fig. 341, 4 inches in diameter.....	each	50
6 inches in diameter.....	each	75
8 " " ".....	each	1 15
Tall, ½ pint.....	each	35
1 pint.....	each	50
2 pint.....	each	65
4 pint.....	each	1 10
BLOW PIPES, Jewelers' form.....	each	75
Plain.....	each	20

HAS TRUAX & CO. GREENE

CHEMICAL GLASSWARE AND APPARATUS.

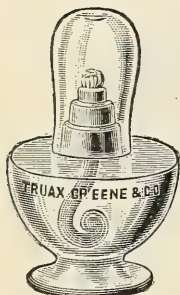


Fig. 340.



Fig. 341.



Fig. 342



Fig. 343.



Fig. 344.

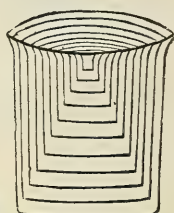


Fig. 345.

BOTTLES, Acid, long stop, Fig. 342	each	\$0 50
Chloroform or Ether, glass stops and glass caps, Fig. 343.		
One-fourth pint	each	75
Half pint	each	90
Pint	each	1 00
BUNSEN BURNERS, with stop to regulate the admixture of air, Fig. 344, each		50
BURETTES, Mohr's, graduated in one-fifths, Fig. 351.		
25 c. c.	each	1 40
40 c. c.	each	2 00
100 c. c.	each	3 40
Same, with stop cock. Fig. 352.		
25 c. c.	each	2 75
50 c. c.	each	3 25
100 c. c.	each	4 25
BURETTE HOLDERS, for 6 Burettes	each	4 00
CRUCIBLES	each	10c to 50

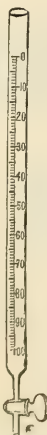
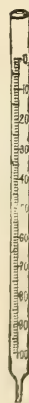
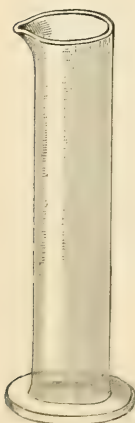


Fig. 353.

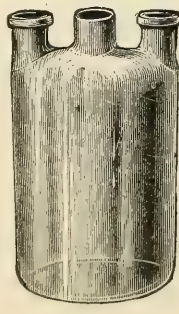


Fig. 354.

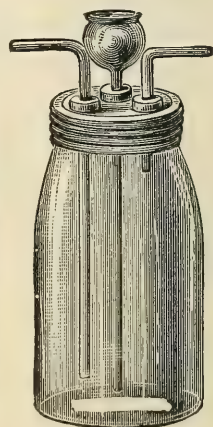


Fig. 355.

CHEMICAL JAR, pint, Fig. 355	each	\$0 75
Quart	each	85
2 Quart	each	1 00
DROPPERS, see page 732.		
DROP BOTTLES, Fig. 359	each	25



CHEMICAL GLASSWARE AND APPARATUS.

EVAPORATING DISHES, Porcelain, with lip, Fig. 360.

1 oz.....	each	\$0 20
2 oz.....	each	25
4 oz.....	each	35
8 oz.....	each	45
16 oz.....	each	60
32 oz.....	each	85
½ gal.....	each	1 25

Glass, see page 973.

FLASKS, Chemical, best Bohemian, round or flat bottom.

4 oz., Fig. 353.....	each	18
8 oz.....	each	20
16 oz.....	each	25
32 oz.....	each	35
½ gal.....	each	55
1 gal.....	each	85

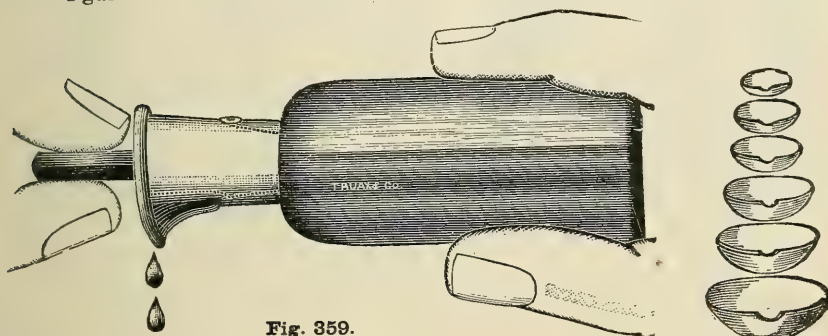


Fig. 359.

Bottle Dropper, 25c.

Fig. 360.

HYDROMETERS, Acid.....	each	\$0 50
Coal oil.....	each	50
Milk.....	each	50
Spirits.....	each	50
Syrup.....	each	50
U. S. Custom House—with thermometer.....	each	1 25

HYDROMETER JARS, on foot

8 inches high, Fig. 350.....	each	30
10 ".....	each	40
12 ".....	each	50
15 ".....	each	60

JARS, Philadelphia, for Ligatures, anatomical specimens, etc., Fig. 384.

3 x 7 inches, 1 pint, \$0 50	6x12 inches.....	1 50
3 x10 " 1 quart, 55	6x18 ".....	1 85
3 x18 " 3½ pts., 75	9x12 ".....	3 00
4½x 6 " 1 quart, 75	9x18 ".....	3 50
4½x 8½ " 3 pts., 85	9x23 ".....	4 00
4½x11½ " ½ gal., 1 00	9x36 ".....	7 00
6 x 8 " 1 - gal., 1 30		



CHEMICAL GLASSWARE AND APPARATUS.

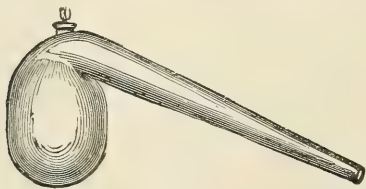


Fig. 366.



Fig. 365.

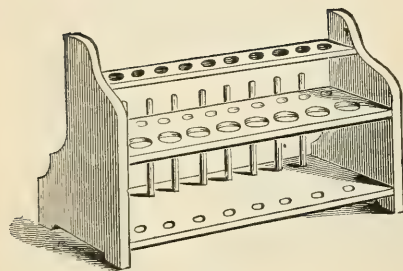


Fig. 370.

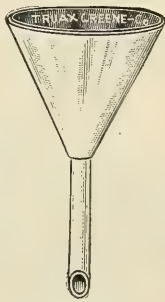


Fig. 371.



Fig. 372.

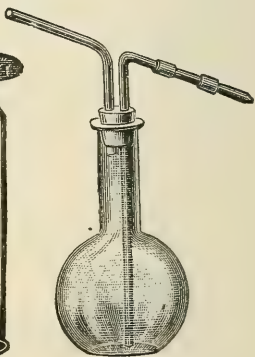


Fig. 375.

RECEIVERS, Fig. 365.

	Stoppered, each.	Plain, each.
Half pint	\$0 45	\$0 35
Pint.....	60	50
Quart	75	60
Half gallon.....	1 00	75
Gallon	1 25	1 00

RETORTS, glass, Fig. 366.

Half pint.....	45	35
Pint.....	60	50
Quart	75	60
Half gallon.....	1 00	75
Gallon	1 25	1 00

RODS, glass, stirring, assorted sizes.....per doz 1 00

TEST GLASSES, Conical.

2 oz., price, without covers, Fig. 383	30
1 oz.	35
6 oz.	40

CHEMICAL GLASSWARE AND APPARATUS.

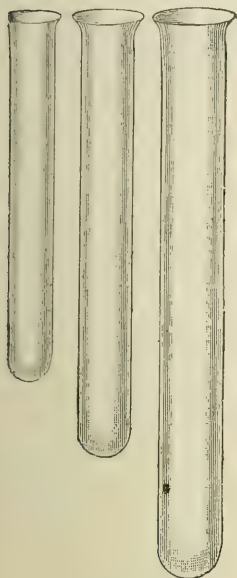


Fig. 380.



Fig. 381.



Fig. 382.



Fig. 383.

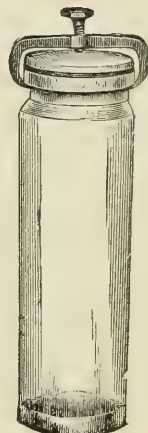


Fig. 384.

TEST TUBES, plain, graduated and on foot, see page 973.

TEST TUBE HOLDERS, Racks and Brushes, see page 973.

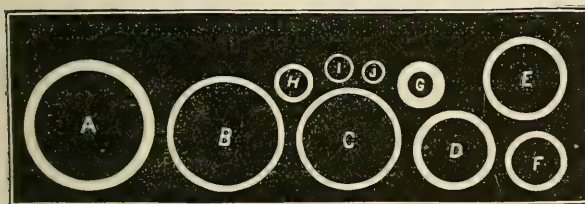


Fig. 390.

TUBING, Glass, small

sizes, half in.

or under, lb.. \$0 60

Large sizes,

over half in.,	
..... lb	50

In ordering glass tubing, please state whether inside or outside measurements are wanted, according to millimeter scale.

TUBING, RUBBER.

See Page 724.

WASH BOTTLE, complete, with flexible exit tube, Fig. 375.....pt	\$0 60
“ “ “ “ “ “ “ “qt	75

WOULFE BOTTLES, Fig. 354.

Half pint.....	each	75
----------------	------	----

Pint.....each 85

Quart.....each 1 10

Half gallon.....	each	1 50
------------------	------	------

Gallon.....	each	2 50
-------------	------	------



PRICES OF

ELECTRIC APPLIANCES AND DISCOUNTS.

ACCESSORIES.

BATH APPARATUS,

McIntosh, see page 447.....discount 25 per cent

CELLS,

Diamond carbon, see page 403....in lots of ten or more, discount 25 per cent

Gravity, see page 402.....net

Grenet, see page 403.....net

Law, see page 424.....net

Leclanche, see page 423.....Singly, \$1 00; in lots of ten or more, 75c.

Miscellaneous, see page 403.....net

Vetter's see page 493.....net

CHARGING MACHINE, Ranney's, see page 486.....discount 25 per cent

COILS, /

Flemming's, see page 421.....discount 20 per cent

Law's, see page 433.....discount 20 per cent

Kidder's, see pages 499, 501.....discount 20 per cent

CURRENT ADAPTER, Vetter's, see page 497.....net

CURRENT COMBINER, Flemming's, see page 461.....discount 20 per cent

CURRENT CONTROLLER,

Flemming's, see page 459.....discount 20 per cent

Law's, see page 433.....discount 20 per cent

Vetter's, see page 495.....net

ELECTRODES,

Edison's, see page 439.....discount 20 per cent

Flemming's, see pages 462, 465 to 469.....discount 20 per cent

Galvano-Faradic Co's, see page 482.....discount 20 per cent

Kidder's, see page 506.....discount 20 per cent

McIntosh's, see pages 448 to 456.....discount 25 per cent

Truax, Greene & Co's, see pages 420 to 422.....net

INDUCTION APPARATUS,

Holtz's, see page 488.....discount 25 per cent

Tripier, see page 443.....discount 25 per cent

LARYNGOSCOPE, Truax, Green & Co's, see page 419.....net

LARYNGOSCOPIC CONDENSER, see page 437.....net

LARYNGOSCOPIC MIRROR, see page 420.....net



ELECTRIC APPLIANCES AND DISCOUNTS.

ACCESSORIES.

MILLIAMPERE-METERS,

Chloride of Silver Dry Cell Battery Co's, see page 511 and 512.....	net
Flemming's, see page 460.....	discount 20 per cent
Galvano-Faradic Co's, see page 475.....	discount 20 per cent
McIntosh's, see page 446.....	discount 25 per cent
Truax, Greene & Co's, see page 408.....	net
Vetter's, see page 495.....	net
Waite & Bartlett's, see page 487.....	discount 25 per cent

RHEOSTATS,

Flemming's, see page 470.....	discount 20 per cent
Galvano-Faradic Co's, see page 480.....	discount 20 per cent
Gish Ideal, see pages 416 to 418.....	net
McIntosh's, see page 446.....	discount 25 per cent

SWITCH BOARDS, see Batteries, Table Plate.....

BATTERIES, CAUTERY.

BATTERIES, CAUTERY,

Edison's, see page 437.....	net
Feddern, see page 419.....	net, \$17 00
Flemming's, see pages 468 and 469.....	discount 20 per cent
Galvano-Faradic Co's, see page 474.....	discount 20 per cent
Kidder's, see page 505.....	discount 20 per cent
Truax, Greene & Co's, see pages 414 and 415.....	net
Weinhagen's, see page 429.....	net

BATTERIES, COMBINED GALVANIC AND FARADIC.

Chloride of Silver Dry Cell Battery Co's, see page 510.....	net
Galvano-Faradic Co's, see page 473.....	discount 20 per cent
Kidder's, see page 499.....	discount 20 per cent
McIntosh's, see page 443.....	discount 25 per cent

BATTERIES, FARADIC.

Barclay Mfg. Co's, see page 432.....	discount 20 per cent
Chloride of Silver Dry Cell Battery Co's, see pages 513 to 518.....	net
Detroit Universal, see page 428.....	discount 25 per cent
Flemming's, see pages 463 and 464.....	discount 20 per cent
Gaiffe's, see page 430.....	net, \$6 50
Galvano-Faradic Co's, see page 476.....	discount 20 per cent
McIntosh's, see pages 441 and 442.....	discount 25 per cent
Schwindt & Edelkamp's, see page 431.....	discount 20 per cent
Vetter's, see pages 489 and 490.....	net



ELECTRIC APPLIANCES AND DISCOUNTS.

Waite & Bartlett's, see pages 485 and 487.....discount 25 per cent
 Weinhausen's, see page 429.....net, \$4 00

BATTERIES, GALVANIC.

Chloride of Silver Dry Cell Battery Co's, see pp. 509, 511, 519, 520.....net
 Flemming's, see pages 462 and 463.....discount 20 per cent
 Galvano-Faradic Co's, see pages 473, 475, 478.....discount 20 per cent
 Kidder's, see pages 502 and 503.....discount 20 per cent
 McIntosh's, see page 442.....discount 25 per cent
 Vetter's, see pages 491 and 492.....net
 Waite & Bartlett's, see pages 486 and 487.....discount 25 per cent

BATTERIES, OFFICE, TABLE, TABLE PLATE AND CABINET.

Edison's, see page 436.....net
 Flemming's, see pages 459 and 460.....discount 20 per cent
 Galvano-Faradic Co's, see pages 471 and 472.....discount 20 per cent
 Kidder's, see pages 503 and 504.....discount 20 per cent
 Law's, see pages 434 and 435.....discount 20 per cent
 McIntosh's, see pages 444 and 445.....discount 25 per cent
 Truax, Greene & Co's, see pages 406 to 413.....net
 Vetter's, see page 494.....net
 Waite & Bartlett's, see pages 483 and 484.....discount 25 per cent

BATTERIES, MISCELLANEOUS.

Barclay Mfg. Co's pocket, see page 432.....discount 20 per cent
 Davis & Kidder's electric machine, see page 430.....discount 25 per cent
 Galvano-Faradic Co's electro-magnetic machine, see pp. 476-7..dis. 20 per cent
 Kidder's electro-medical apparatus, see pages 499 and 500....dis. 20 per cent
 Schwindt & Edelkamp's closed cell, see page 431.....discount 20 per cent
 Vetter's dry auxiliary, see page 493.....net

BELTS, ELECTRIC.

Common sense, see page 426.....discount 33½ per cent
 McIntosh's, see page 427.....discount 20 per cent
 Owen's, see page 425.....discount 25 per cent

MOTORS.

Edison's surgical and dental. see page 438.....net
 Galvano-Faradic Co's, see pages 480 and 481.....discount 20 per cent

STATIC MACHINES.

Galvano-Faradic Co's, see page 479.....discount 20 per cent
 McIntosh's, see pages 457 and 458.....discount 25 per cent
 Waite & Bartlett's.....discount 25 per cent



ELECTRIC APPLIANCES AND DISCOUNTS.

TREATISES ON ELECTRICITY.

Directions for Making Battery Fluids.....	see page 521
How to Charge Storage Batteries from an Incandescent System, see page 415	
How to Charge Storage Batteries from Gravity Cells.....	see page 415
Introductory.....	see pages 405 and 406
McIntosh's.....	see page 440
Macwhinnie's Electric Calculations.....	see page 404

BATTERY CELLS.

	Crow Ft. 5x7	Crow Ft. 6x8
GRAVITY CELL, complete.....	net \$0 60	\$0 75
Zinc, with connection.....	net 25	35
Copper.....	net 11	12
Jar, Glass.....	net 25	30
DIAMOND CARBON CELLS.....	each net	1 00
Price, in lots of 10 or more.....	each net	75
Leclanche cell, complete.....	each net	1 00
Price, in lots of 10 or more.....	each net	75
Daniell's cell, complete.....	each net	1 50
Haskins' " ".....	each net	1 30
Grove's " ".....	each net	2 00
Fuller's " " large.....	each net	1 35
" " " small.....	each net	90
Smee's " ".....	each net	1 50

Insulated wire furnished at market prices. Parties ordering should state gauges wanted.

GRENET BATTERY CELLS.

METAL PARTS NICKEL PLATED. WITH FRENCH CARBONS.

This battery occupies but little space, furnishes a large quantity of current, and is especially adapted for experimental purposes, or for running electro-medical batteries, especially those that are now worked with bisulphate of mercury.

The battery may be kept charged for months, and set in action at any time by simply depressing the nickel-plated rod which slides through the center of the cover. When not in use, raise the zinc above the fluid, by means of the above mentioned rod.

NET PRICES.

			EXTRA PARTS.			
			Carbon.	Zinc.	Jars.	
No. 1.	6 in.	Capacity ½ pt..	\$2 00	\$0 25	\$0 20	\$0 50
No. 2.	8 in.	" 1 pt..	2 50	35	25	60
No. 3.	10 in.	" 1 qt..	3 50	45	30	75
No. 4.	12 in.	" 2 qt..	5 00	60	40	90

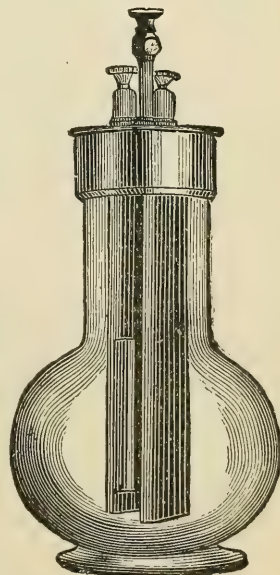




TABLE OF ELECTRICAL CALCULATIONS SHOWING RESULTS IN
MILLIAMPERES
OF ELECTRO-MOTIVE FORCE (VOLTAGE) PASSING THROUGH TISSUE
RESISTANCE.

RESISTANCE IN OHMS.

Volts	Passing Through	25	50	100	150	200	300	400	500	800	1000	2000	Ohms Resistance, Milliamperes.
10	"	400	200	100	75	50	33	25	20	12	10	5	"
15	"	600	300	150	100	75	50	38	30	18	15	7.5	"
20	"		400	200	130	100	66	50	40	25	20	10	"
25	"		500	250	166	125	83	62	50	31	25	12.5	"
30	"		600	300	200	150	100	75	60	37	30	15	"
35	"		700	350	233	175	116	87	70	43	35	17.5	"
40	"		800	400	266	200	133	100	80	50	40	20	"
45	"		900	450	300	225	150	112	90	57	45	22.5	"
50	"		1000	500	333	250	166	125	100	64	50	25	"
55	"		1100	550	366	275	183	137	110	70	55	27.5	"
60	"		1200	600	400	300	200	150	120	75	60	30	"
65	"		1300	650	433	325	216	162	130	81	65	32.5	"
70	"		1400	700	466	350	233	175	140	87	70	35	"
75	"		1500	750	500	375	250	187	150	93	75	37.5	"
80	"		1600	800	533	400	266	200	160	100	80	40	"

Authors state that the resistance of the human body from hand to hand varies from 2,000 to 5,000 Ohms, which is equal to from 2.5 to 6 Atlantic cables.

A uterine fibroid tumor as a rule, under Apostoli's method, offers from 110 to 200 Ohms resistance.

OHM'S LAW.

This law embraces (and expresses the relation of) the three factors common to an active electric circuit, viz.:—Electro-motive force (Voltage); Resistance, and Current, *i.e.*: Quantity expressed in Amperes or Milliamperes, and it is the fundamental principle in Electric Calculations.

$$\text{Formulae:} \quad C = \frac{V}{R} \quad V = C \times R \quad R = \frac{V}{C}$$

J. T. MACWHINNIE.



ELECTRICAL APPLIANCES.

INTRODUCTORY.

The physician who has not made a special study of electricity but who desires to avail himself of this invaluable therapeutic agent, is frequently at a loss to decide which is the best form and manufacture of battery to purchase. This is not surprising, considering the complexity of the nomenclature of electricity and the multiplicity of the various designs of batteries now being placed upon the market by various manufacturers. As we carry all of the more important designs in stock, we are so situated as to supply a physician with the apparatus best suiting his requirements.

A concise and universally accepted definition of electricity, however desirable, has not yet been attempted by authors on this subject, but the fact that many of the laws which this force obeys are well known, is of inestimable value, and those laws are a guidance for its utilization. Electricity for convenience and the want of a better term, has very been aptly called a fluid. The laws as applied to electricity and hydro-dynamics bear a strong analogy, hence the propriety of the term "fluid" being applied to this force, pending the selection of a better one.

The following are a few demonstrative comparisons between electricity and water:

- I. Through a small wire a current of electricity of high voltage (*i. e.*, electromotive force, usually written "E. M. F.") may be propelled, and through a small tube a high pressure of water may be obtained; hence, voltage and pressure are synonymous.
- II. The smaller the wire the greater is the opposition offered to the transit of a current of electricity. This is called resistance, and is expressed in "Ohms". A small tube also offers resistance to a flow of water.
- III. A large wire admits of a more copious flow and offers less resistance to a current of electricity; a large tube has the same advantage for water; hence the terms, "amperes" (or milliamperes) for the former and "quantity" for the latter, are synonymous.

We therefore obtain as a resultant from the decomposition of electricity (in a state of action) these bases are component factors:

- I. Pressure expressed in volts (*i. e.*, E. M. F.).
- II. Resistance expressed in ohms.
- III. Quantity expressed in amperes or milliamperes. (One ampere is equal to one thousand milliamperes).

According to the law of Ohm, which is the guiding star to the science of electricity, resistance, or ohms, and quantity, or amperes, are always in an inverse ratio, and when multiplied are equal to the voltage, or pressure.

There are three forms of currents of electricity employed by the electro-therapist in general clinical use, each having its own function, phenomena, or field, as follows:

The first, "A," is obtained from voltage or current.

The second "B" is obtained from a coil.

The third, "C," is obtained from quantity of current.



ELECTRICAL APPLIANCES.

INTRODUCTORY.

- A. The current obtained from voltage depends for its efficiency upon the number of cells (not their size) forming the battery. The voltage is proportional with the number of cells used; *e. g.*, a battery of 30 cells, each cell of 1.5 volts, would give an E. M. F. of 45 volts. This is commonly called the "Galvanic," or uninterrupted or continuous current. It is electrolytic and electro-chemical caustic in its action. It is a current necessarily of high voltage, as it is required to overcome high resistance. The dosage of this current is measured in milliamperes.
- B. The current obtained from a coil is called the "Faradic." The passage of a current through the circuit from a Faradic battery produces a buzzing noise, and gives a shock to the patient with every vibration of the rheotome, while the Galvanic (A) is silent, no matter how powerful. The coil usually consists of two parts, the inner being insulated from the outer part. The inner coil consists of a helix, formed of a short, thick wire, and the outer of a long, fine wire. The currents produced through these coils are interrupted and varied accordingly with the nature of the wires. One to four small cells only are required for the production of the initial current. The quality of these currents depends upon the coils.
- C. The current of quantity. This is known as the "Actual Caustery Current," and here large cells are used, but only from one to three cells are required; in other words, an E. M. F. from 1.5 to 6 volts and a quantity of from 6 to 30 amperes are necessary for actual cautery and heated wire-snaring operations.

It may be here stated that it is customary to combine the Galvano-electrolytic and Faradic batteries in one instrument, but the Actual Caustery instrument is better in a separate and distinct battery.

That part of the negative element which is external to the cell is the positive pole, and that part of the positive element external to the cell is the negative pole.

We have recently designed three outfits for office work exclusively, and these we have respectively named:

The Truax, Greene & Co.'s "Columbian" Electrical Wall Cabinet.

The Truax, Greene & Co.'s "Exposition" Electrical Cabinet.

The Truax, Greene & Co.'s "Chicago" Electrical Cabinet.

These outfits we are satisfied cannot be surpassed for utility, completeness and workmanship. Consistent with these merits, we have placed them on the market at a very low figure, and within the reach of the physician, at a minimum price.

Having had for many years a wide experience in handling electrical apparatus, we presume to claim superior advantages and facilities for the construction of electrical outfits, with a view to filling the desired requirements and covering a wide field for the utilization of electricity as a therapeutic agent.

Fig. 309.—"COLUMBIAN" ELECTRICAL WALL CABINET.

Fig. 309 is an illustration of our "Columbian" Electrical Wall Cabinet, shown with glass door partially open. It is especially adapted for a physician's office where space is limited, and, as its name implies, is constructed so that it may be fastened to the office wall. The cells may be located in a closet, adjoining room or basement. The outside case measures 34 inches high, $15\frac{1}{2}$ inches wide (*i. e.*, across face) and $11\frac{1}{2}$ inches deep, from wall forward, and is constructed of antique oak and panelled with glass, the vertical base being made of polished hard rubber and all the metal parts finished in fine nickel silver. The accessory apparatus carried on its face and in full view may be described as follows:

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TRUAX, GREENE & CO'S ELECTRIC BATTERIES.

- A. A 36-button, double galvanic switch, the buttons of which are graduated for as many cells as are desired. The double switch has the important advantage that all or any number of the cells may be switched into the circuit; equalizing the amount of work performed by the whole chain of cells, and thus increasing the life of the cells. It also enables the placing of the patient in and out of circuit without sustaining shock.

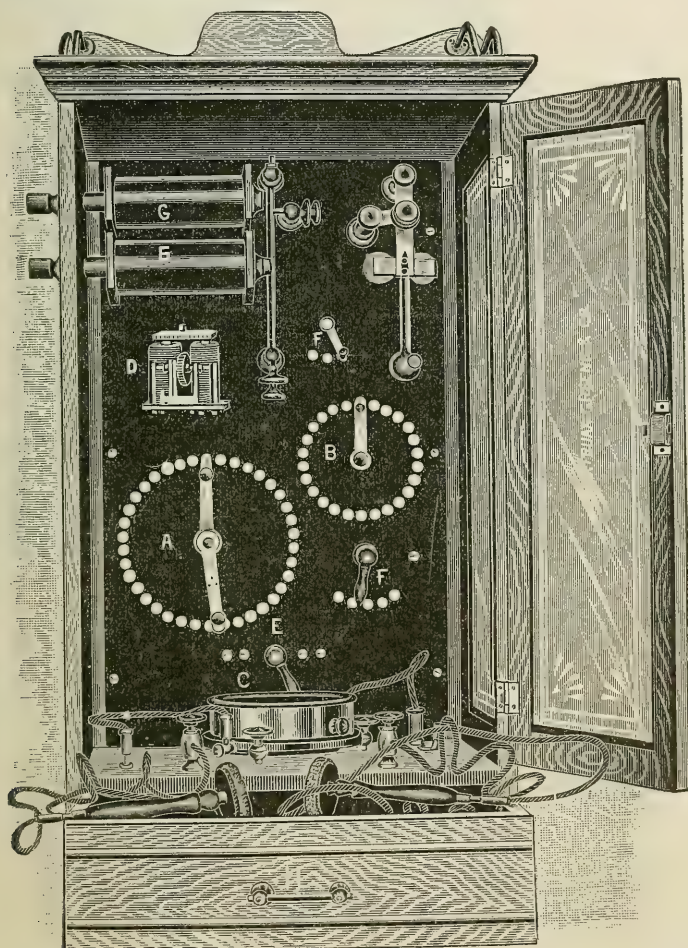


Fig. 309.—“COLUMBIAN” ELECTRICAL WALL CABINET.

This employs the electrolytic current and is used generally as an electro-therapeutic agent for the *disintegration of fibroid tumors*, the treatment of strictures in any accessible part of the alimentary canal, the destruction of *nævi*, warts, hair extraction, etc. Apostoli states: “The galvanic current in large doses is powerfully antiseptic, and it sterilizes and attenuates pathogenic microbial cultures.”



TRUAX, GREENE & CO'S ELECTRIC BATTERIES.

- B. A 25-button German wire Rheostat, every button giving a resistance of 100 ohms, so that any amount of resistance in hundreds may be placed in the circuit from 100 to 2,500 ohms.
- C. Milliamperemeter Fig. 310.

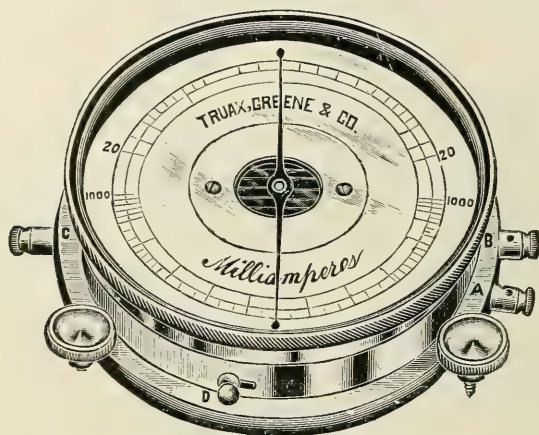


Fig. 310.—TRUAX, GREENE & CO'S MILLIAMPEREMETER. Net \$17.50.

This meter is *accurate* and *reliable*. It is calibrated with the greatest care with a standard instrument, and is furnished with two scales for the administration of high and low *dosage* of electrolytic current. One scale is graduated from "0" to "20" and the other from "0" to 1,000 milliamperes.

- D. An automatic electro-magnetic rheotome for the production of interruption in the galvanic current.
- E. Pole Changer.
- F. Switches for current selection.
- G. Faradic coils, giving the primary and induced currents. Apostoli has named the former the "Current of Quantity," and the latter the "Current of Tension;" and he writes: "The *puerperal* state is the prototype for the application of the current of quantity, either occurring after miscarriage or term, when the muscular fibre is not responsive, whether due to a long, tedious labor, to hemorrhage, or to an enfeebled constitution. Every woman faradized under any of these conditions will be benefited: involution and uterine circulation are immediately accelerated, convalescence is hastened, and the lochial discharge diminished. 'The Current of Tension,' on the other hand is chiefly valuable in the treatment of pain, especially when not associated with any organic or inflammatory lesion. Pain and hemorrhage are two all-powerful points in gynecology. Whenever the elements of pain in gynecology confront us, the current of tension may render good service, variable sometimes, now sovereign, now weaker, and of less value the greater the amount of inflammation."

II. A drawer for electrodes, etc.

A pair of sponge disc electrodes and cords accompany the outfit.

Price of the "Columbian" outfit, including 36 cells, all wired, ready for connection with cells (see Fig. 309), net, \$139.50.

The "Columbian" electrical wall plate and cells as described but minus the automatic rheotome, net, \$124.50.

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TRUAX, GREENE & CO'S ELECTRIC BATTERIES.

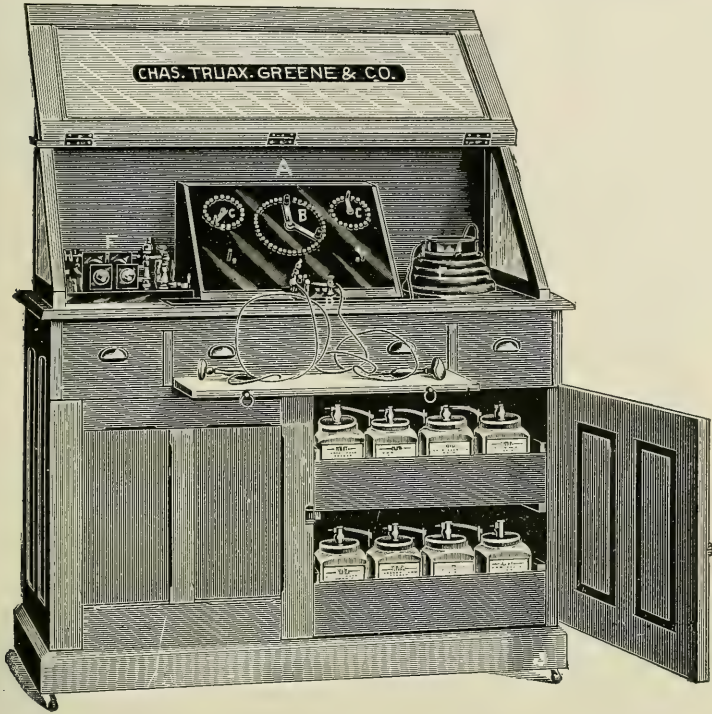


Fig. 312.—TRUAX, GREENE & CO'S "EXPOSITION" ELECTRICAL CABINET.

It is with pardonable gratification to ourselves that we submit the "Exposition" Electrical Cabinet outfit for consideration of our patrons. This Cabinet combines original and artistic elegance in design with completeness of detail, comprising apparatus for the scientific and accurate utilization of electricity in its various manifestations (except static and actual cautery) as employed by the most advanced physicians who have advocated and demonstrated the therapeutic value of this force.

This cabinet should commend itself to the physician who is desirous of possessing the most efficient office battery that the market offers. The cabinet is constructed of polished hardwood and occupies a floor space of $46\frac{1}{2} \times 21$ inches, its height being 51 inches. The front of the upper part of the cabinet is furnished with a narrow framed lifting door, which is mainly a panel of bevel-edge plate glass, measuring 40×14 inches, and inclining at an acute angle of 45 degrees with the top of the cell cabinet. The sides of this portion are also paneled with glass. The switchboard "A" has a polished hard rubber base 17×12 inches. It is at a similar angle to and parallel with the plate glass front. This switchboard carries on its surface "B", a double lever galvanic cell selector of 40 buttons (see "A", page 407, for description), a 40-button Rheostat, "C" & "C" giving from twenty-five to four thousand ohms resistance, and levers for the selection of the various



TRUAX, GREENE & CO'S ELECTRIC BATTERIES.

currents. The pole changer, "D," and conducting cord-posts are also furnished with a polished hard rubber base, and positioned horizontally in front of the switchboard. The milliamperemeter, "E", as described by Fig. 310, is mounted on a polished pedestal and placed on the right hand side of the switchboard. The Caldwell system of Faradic coils, "F," as described by Fig. 326, occupies the left side of the switchboard.

The Cell Cabinet is constructed to accommodate 40 cells, but, if more cells are desired, a proportionately larger cabinet could be made at a slight additional cost. This cabinet has its metallic parts all finely nickel plated and the design is such that all the accessories are exposed prominently to view whether open or closed.

Price, complete, including 40 cells and pair of conducting cords with sponge disc electrodes, net, \$195.00.

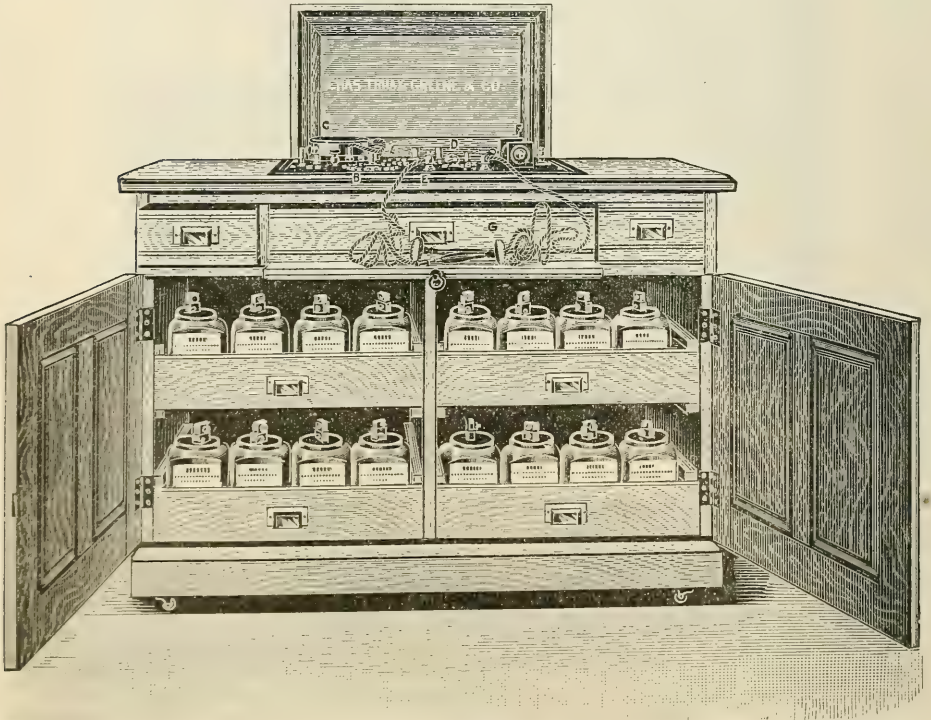


Fig. 316.—"CHICAGO" ELECTRICAL OFFICE CABINET.

Fig. 316 is an illustration of our "Chicago" Electrical Office Cabinet. This Cabinet is made of antique quarter-sawed oak and measures 47 inches long by 23 inches wide by 33 inches high. A horizontal table plate whose base is made of polished hard rubber is inlaid on the top of the cabinet beneath a bevel-edged plate glass top, which is

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shown open in illustration, to better bring into view the accessory apparatus which may be described as follows (see better illustration Fig. 317) :

- A. Double galvanic switch, 25 buttons,
 - B. 25-Button German wire rheostat,
 - C. Milliamperemeter,
 - D. Pole changer,
 - E. Switches for current selection,
 - F. Faradic coil giving the two currents in variable degrees, of quantity and tension,
 - G. A pair of cords and sponge disc electrodes. Price, including 40 cells; net, \$130.00.
- This cabinet forms a handsome and imposing piece of office furniture.

When it is not desirable to purchase a cabinet we are prepared to supply the same table plate separately (see Fig. 317), the cells being placed in a book-case, closet or elsewhere.

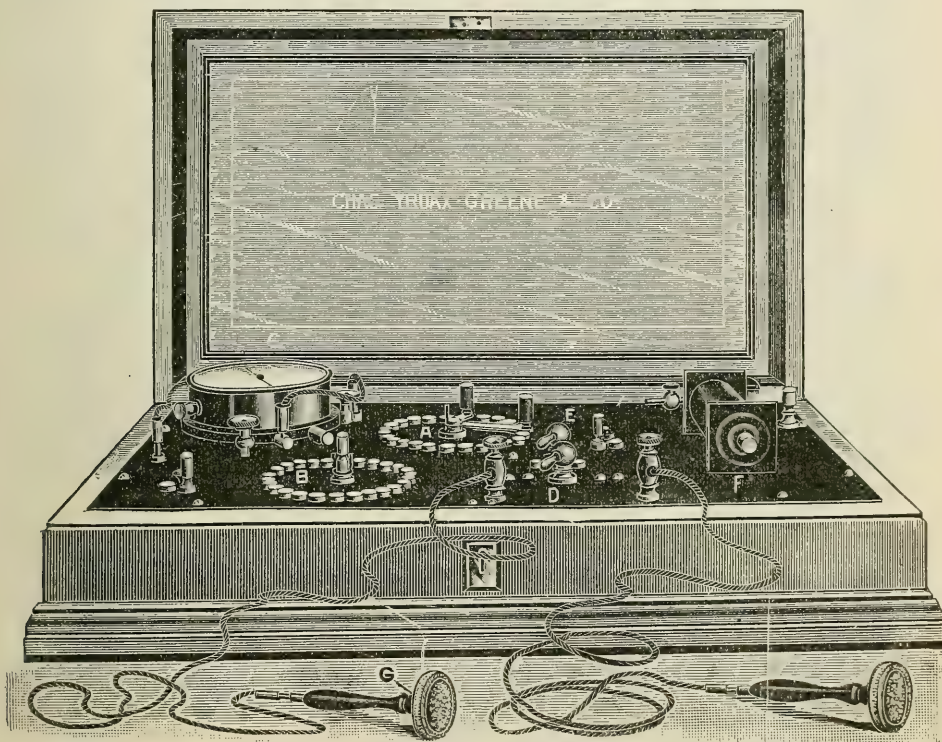


Fig. 317.—“CHICAGO” TABLE PLATE.

The Truax, Greene & Co.'s “Chicago” Electrical Horizontal Table Plate, size 19 x 22 inches.

Price, in glass top case, including pair of conducting cords with sponge disc electrodes all wired ready for making connections with cells, net, \$76.00.

(The cells are not included at this price. For prices of cells see pages 400 and 403.) This Table Plate is a duplicate of the plate described in the “Chicago” Electrical Office Cabinet, Fig. 316.

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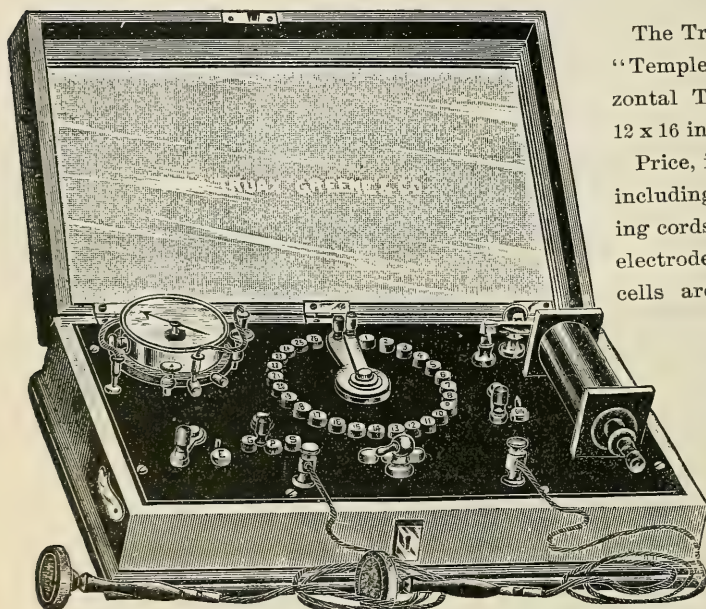


Fig. 319.—“TEMPLE” TABLE PLATE.

The Truax, Greene & Co's "Temple" Electrical Horizontal Table Plate, size 12 x 16 inches.

Price, in glass top case, including pair of conducting cords with sponge disc electrodes, net, \$48.00. (The cells are not included at this price.) (For price of cells see pages 400 and 403.) This Table Plate differs from Fig. 317 in being smaller and without rheostat.



Fig. 321.—“VENETIAN” TABLE PLATE.

The Truax, Greene & Co's "Venetian" Electrical Horizontal Table Plate, size 10 x 12 inches.

Price, in glass top case, including a pair of conducting cords with sponge disc electrodes, net, \$26.00.

(The cells are not included in this price. For price of cells see page 400.)

The Horizontal Table Plates, Figs. 317, 319 and 321, are furnished each in a polished hardwood case, with glass top cover, as illustrated.

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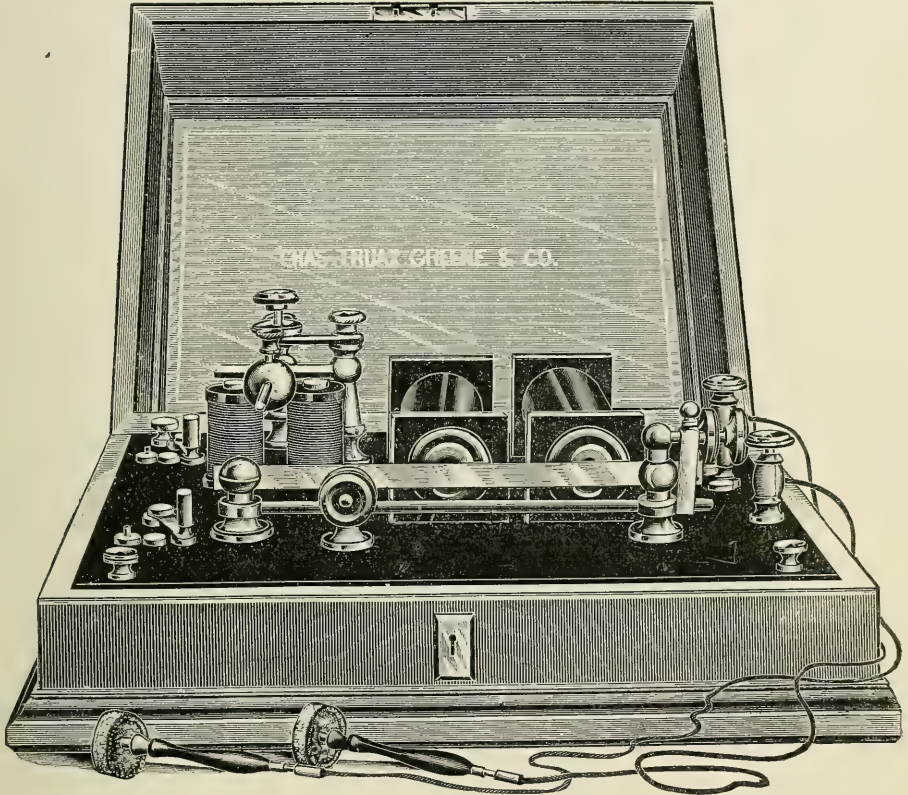


Fig. 326.—CALDWELL'S FARADIC TABLE PLATE.

The Caldwell Faradic Table Plate is a system of Faradic coils, of which there are two. One of them differs from all the other coils on the market in the respect that its rheotome, or current interrupter, consists of a ribbon of steel of considerable length and bound at both termini. It is so mechanically constructed that the steel ribbon may be strained to a high degree of tension. This extreme tension is productive of very rapid rheotomic interruptions, causing the current to "spend" itself superficially, thus paralyzing the termini of the sensory nerves. The action, therefore, functionally is equivalent to an anodyne, in that it is an assuager of pain, with a wider sphere than obtained by a local anæsthetic. The other coil is furnished with a rheotome productive of various degrees of slow interruptions, with a view to reach the deeper tissues, and is effective when muscular or uterine contractions are desired.

Price of Caldwell's system of Faradic coils, on horizontal table plate, under glass top case, including pair of conducting cords with sponge disc electrodes, net, \$37.50.

Four cells will operate the Caldwell plate. It is furnished with a switch to circuit, two, three or four cells as desired. (The cells are not included at this price. For price of cell see page 403.)

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TRUAX, GREENE & CO'S ELECTRIC BATTERIES.

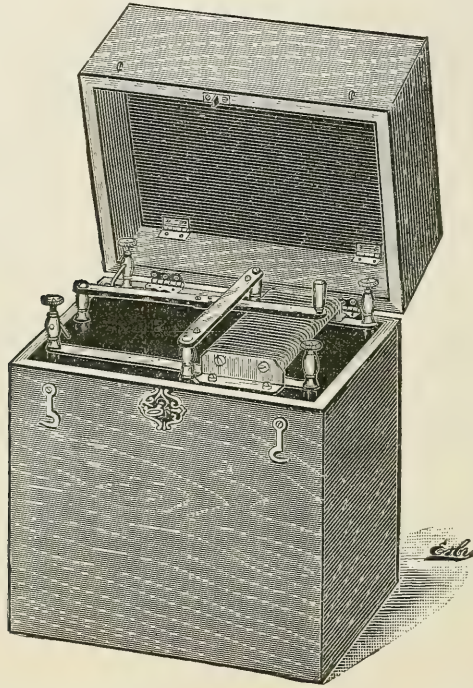


Fig. 328.—TRUAX, GREENE & CO'S ACTUAL CAUTERY STORAGE BATTERY.

Storage Electricity, for actual thermo-cautery, has many advantages over the fluid battery, which, up to recent date, the surgeon has employed as the best means of generating a current for actual cautery and hot wire-snaring operations. The fluid battery has many objectionable points. It is large, cumbersome, non-portable, unclean and troublesome to re-charge. It is difficult to regulate its current discharge. It suffers deterioration through polarization and consequent loss of electro-motive force. Contrary to this, the Storage Battery, or Accumulator, more properly speaking, is constructed so that the fluid in the cells cannot easily escape, and it is of a size and weight (see data) making it conveniently portable. It may be carried by hand or conveyed in a buggy without any danger of its becoming discharged.

A Storage Battery, as its name implies, is an accumulator or receptacle into which a powerful electric current, either from an incandescent system or primary (gravity) cells may be conducted and there stored. The Rheostat which forms part of the Storage Battery enables the operator to discharge the required amount, or amperes, of current necessary for the electrode employed, be it large or small, thus avoiding any loss of current, and dispensing with the troublesome task of generating electricity while operating. The Storage Battery consists of 2 cells giving an electro-motive force of 4 volts and it has a capacity of 35 Ampere hours. It is suitable for all work where actual galvano-cautery may be employed. When a Storage Battery is fully charged and its Ampere hour capacity known,



TRUAX, GREENE & CO'S ELECTRIC BATTERIES.

one can approximately estimate the amount of work to expect from it. For example, take our Storage Battery, of 35 Ampere hours' capacity. This will discharge one Ampere for 35 consecutive hours, 5 Amperes for 7 consecutive hours, or 10 Amperes for 3½ consecutive hours, and so on. Hence we can make the calculation. If 10 Amperes be the average current, and one minute be the average duration of time employed for an operation, about ONE HUNDRED AND FIFTY OPERATIONS MAY BE PERFORMED WITH IT WITHOUT RECHARGING.

The battery case is made of polished hard wood. The Rheostat is furnished with nickel-plated trimmings and mounted on a highly polished hard rubber base. The whole is substantially finished and forms an attractive piece of office furniture.

PRICES, SIZE, ETC.

Size.....	13½ x 9 x 7¾ inches
Weight with fluid.....	44½ lbs
Electro-Motive force.....	4 Volts
A Good Charging Current.....	2 Amperes for 18 hours
Current Discharge.....	1 to 20 Amperes
Price, including a pair of heavy conducting cords.....	Net, \$37.50
Price, with 8 gravity primary cells and connections.....	" 43 50
Price, with 8 Gethin gravity primary cells and connections.....	" 48.30

The Storage Battery may be charged from the Edison or other Incandescent lighting systems, or from gravity cells.

TO CHARGE FROM AN INCANDESCENT SYSTEM.

Have an electrician put two 16-candle lamps in multiple arc in the circuit on the positive wire next to the battery. Connect the positive wire to the post marked "P" and the negative wire to post marked "N" and switch the current on. Each lamp allows ½ ampere current to pass, hence 2 lamps allow 1 ampere to pass and as our battery has a 35 ampere hours' capacity, it will take 35 hours to charge it. Use the battery a little every few days, occasionally charge it for a short time and it will always give satisfaction. Never connect the battery with an *alternating system*. If charged through four ½ ampere lights, or two one ampere lights, 18 hours in the circuit would suffice for charging.

TO CHARGE FROM GRAVITY CELLS.

- 1st. Clean the glass jars.
- 2d. Unfold the copper element and place it in the bottom of each jar.
- 3d. Put into each jar enough blue vitriol to cover the copper element slightly.
- 4th. Put zinc element on the side of the jar at the top, and pour in enough clear rain water to cover it ½ inch.
- 5th. Connect the copper of first cell to zinc of second cell and so on until all are connected. There will be a free copper element at one end and a free zinc element at the other end of the series. Connect these two by means of terminal wires for an hour when a good current will have been established. Then disconnect and attach the wire from the copper element to the post of the storage battery marked "P" and the wire from the zinc element to the post marked "N." Allow the current to pass into the battery every night, and do not attempt to use the battery until it has been in charging at least five days.

It will be better for the gravity cells and also for the cautory battery to switch on the current for a short time every day. Once every thirty days draw out one-half of the white fluid from the crowfoot gravity cells and fill with rain water.



TRUAX, GREENE & CO'S ELECTRIC BATTERIES.

THE RHEOSTAT.

To control the discharge of the electric current accumulated in the storage cells, each storage battery is supplied with a rheostat.

Attach the heavy conducting cords to the binding posts on the front of rheostat. Take particular care to move the lever so as to throw the entire resistance of the rheostat into the circuit before attempting to heat an electrode. By moving the lever slowly any desired rate of discharge may be obtained, thus enabling the use of very frail or very heavy electrodes with safety, and without loss or waste of current.

The Gethin cell is the best of the gravity primary cells of which we have any knowledge to employ for the purpose of charging a storage battery. It is "set up" as follows: Place 3 to 4 lbs. of copper sulphate in the jar on and around the copper element, which rests on the bottom of the jar or cell. The jar is then nearly two-thirds filled with water; place the porous cup in the jar; set the zinc in the porous cup; then nearly fill the porous cup with a weak solution of sulphate of zinc (about 1 1/2 to a pint of water) and pour one ounce of metallic mercury into the cup with the zinc. Connect the cells as already directed and keep the circuit closed for about two hours to establish a good current. Now disconnect the two termini and attach the wire from the copper element to the post of the storage battery marked "P" and the wire from the zinc element to the post marked "N."

Eight Gravity primary cells are required to charge a 4-volt storage battery and they may be located in a basement or an adjoining closet and connected with the battery by means of insulated heavy copper wires. When charging from the primary cells there is no danger of warping the plate of the Storage Battery; it may therefore be kept permanently connected with the primary cells, excepting during operations, or office hours.

THE GISH IDEAL RHEOSTAT.

To the physician who has the convenience of the Edison 110-volt continuous incandescent current in his office the Gish Ideal Rheostat is a device worthy of his special consideration. It is placed direct in the above circuit with the main or street wires, and being a controller of both voltage and amperage, it practically is a regulator for the application of electricity in all its various forms and phases. This Rheostat completely dispenses with battery cells and consequently the many troubles accompanying them.

The Rheostat is the ultimatum of simplicity and cannot be destroyed except by wilful neglect or gross carelessness.

It is mounted in a case handsomely finished in black enamel and dressed with nickel trimmings.

The unique method of "dosing" out the current with the Gish Idea Rheostat is as follows: When the main street-switch is closed, the current passes directly from the street into the device, following the *one continuous wire* of which it is made, and out again into the street, but by an ingenious arrangement the operator is given a safe and absolute control over the current by simply sliding a button along a groove that runs parallel with the wire.

This arrangement enables the operator to take, by what is known as the drop or shunt circuit, just the exact quantity and intensity of current desired.

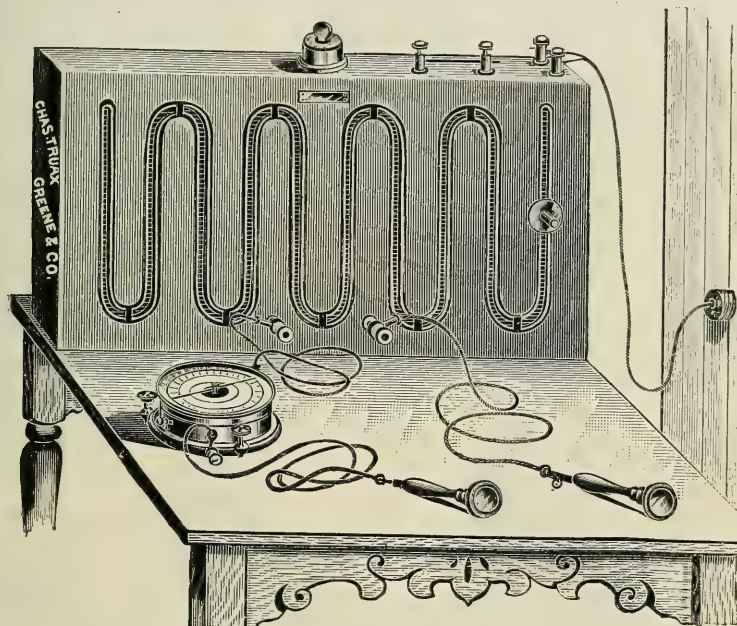
It is this simple and durable arrangement that prevents the placing of the patient *directly* in the main street circuit.

It also allows the treatment of the patient without giving any shock whatever, unless it is desired to do so, and this one advantage, of preventing a shock in treating certain nervous diseases, is pre-eminent.



THE GISH IDEAL RHEOSTAT.

This Rheostat is made in three forms to cover the field as required by the physician and surgeon, viz.: No. 2, No. 3 and No. 4.



THE IDEAL RHEOSTAT NO. 2. Price, Net, \$60.

This Rheostat is designed for all galvanic and faradic work, both electro-therapeutic and diagnostic, whether it be in the hands of the general practitioner or the specialist. It operates the small incandescent lamps used in examining the throat, nose and other internal cavities of the body; and also operates the electro-magnet to a degree of nicety. This instrument gives a gradual and unbroken change in voltage from zero to 80 volts, or any fraction thereof; and an amperage from zero to any number or fractional part of milliamperes up to two and one-half full amperes of current ($0-2\frac{1}{2}$).

Conducting cords, per pair, net, \$1.00 extra.

Sponge disc electrodes, per pair, net, \$1.20 extra.

Milliamperemeter, Truax, Greene & Co.'s, Fig. 310, price, net, \$17.50.

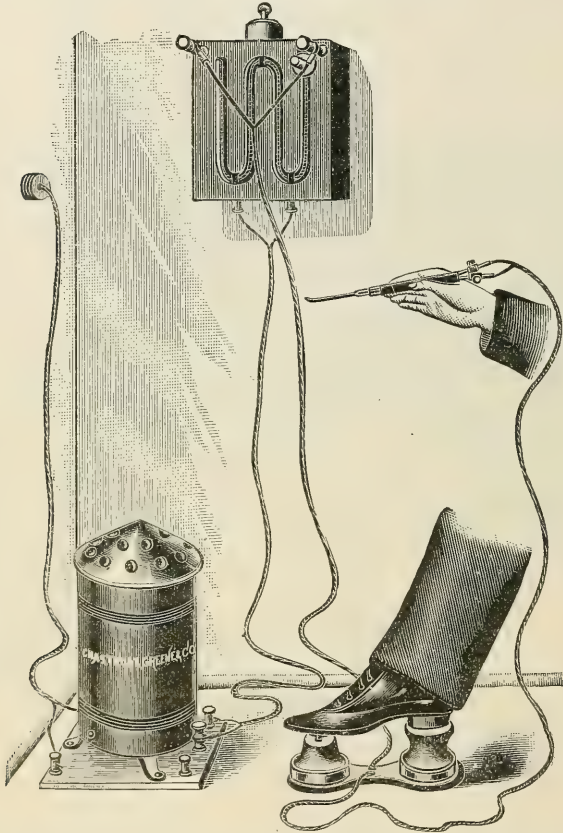
THE GISH IDEAL RHEOSTAT NO. 3.

This instrument is designed for the electro-cautery. It will heat the eye, ear and dental electrodes. It will heat most of the nose and throat electrodes, or *such electrodes as are made of platinum wire, not larger than No. 22, B. & S. gauge.*

This instrument heats the platinum cautery snare and will operate the electro-magnets. It will operate Bleyer's Electric Tongue Depressor, Myles' Electric Otoscope. Laryngo-



THE GISH IDEAL RHEOSTAT.



THE GISH IDEAL RHEOSTAT NO. 3. Price, Net, \$55.

scope, Trouvé Lamp, and all electric illuminators from two volts and $\frac{1}{2}$ candle-power upwards to the full extent of the current.

This instrument also operates the 5-volt motors adapted to storage batteries to any desired speed without variation. It has a capacity in current amperes from zero to eighteen (0-18).

All necessary wiring and pair of conducting cords, net, \$3 extra.

Universal cautery electrode handle, net, \$3.50 extra.

Reel, double canula and platinum wire for snaring operations, net, \$3.50 extra.

For price of cautery electrodes, see page 400.

THE GISH IDEAL RHEOSTAT, NO. 4. Price, Net, \$85.

This instrument is a little larger than No. 3, and is designed to obtain a greater ampere current suitable for extra heavy electrodes and large loop-snaring operations. It has a capacity in current amperes from zero to twenty-five (0-25).

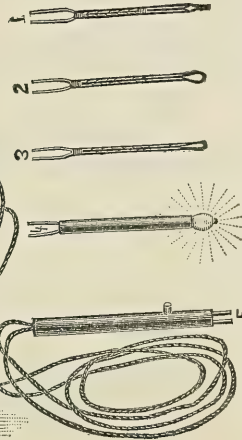
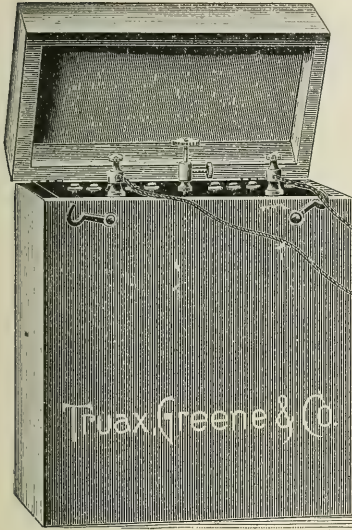
Prices of conducting cords, handles, etc., same as quoted with the No. 3 Rheostat.

A book of directions for placing and operating these Gish Ideal Rheostats accompanies every instrument.

NOTE.—These cautery rheostats, viz., Nos. 3 and 4, may be used on either the 110-volt continuous incandescent system or on the 52-volt alternating system, but in ordering it must be stated upon which system the instrument is to be used.

HAS **TRUAX** *TRY* **GREENE** *& CO.*

TRUAX, GREENE & CO'S APPLIANCES.



THE FEDDERN CAUTERY BATTERY

This Battery is far superior to any of the cheap Cautery Batteries in the market, besides being lower in price.

In addition to the Cautery Electrodes we supply a small electric lamp, which will be found invaluable for illuminating any of the cavities of the body.

Price of Battery with Conducting Cords, Universal Handles with interrupting button, one Cautery Point, one Cautery Curette, and one Cautery Knife:

Net..... \$17 00
Electric Lamp, extra, 3 50

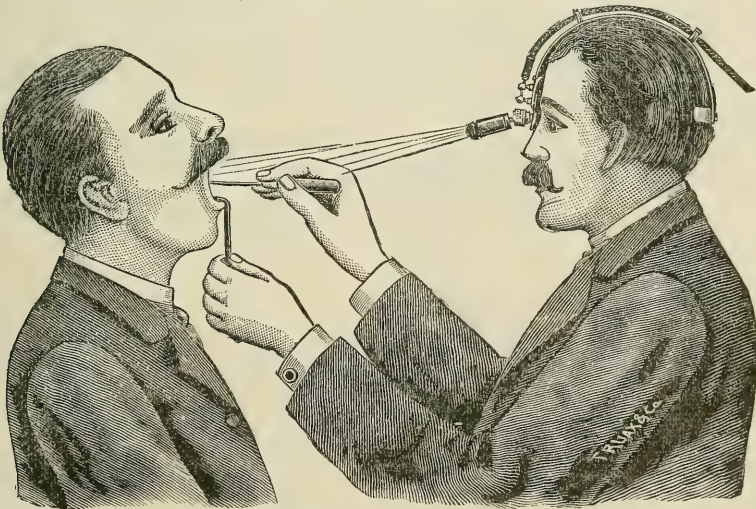


Fig. 329—ELECTRIC LARYNGOSCOPE.

This shows an Electric Laryngoscope attached to our portable battery. It consists of a cylinder $2\frac{1}{2}$ inches long and $\frac{3}{4}$ inch in diameter, provided with two powerful lenses. This instrument when lighted throws a white, brilliant light of 6 to 8 candle power, directly upon the object in the focus. This instrument is particularly adapted to the wants of the specialist. By removing it from the head it may be used as a hand illuminator in examining any of the cavities of the body.

Price, in neat case, including pair of conducting cords and one extra lamp.....net, \$13 50

For sale by Truax, Greene & Co., where sample may be seen.

HAS TRUAX GREENE & CO.

TRUAX, GREENE & CO'S APPLIANCES.



Fig. 330—ELECTRIC LARYNGOSCOPIC MIRROR. Net, \$7 50.

This is arranged so that any sized mirror may be used with the lamp. The lamps are attached by a screw, so that new ones may be supplied when needed.

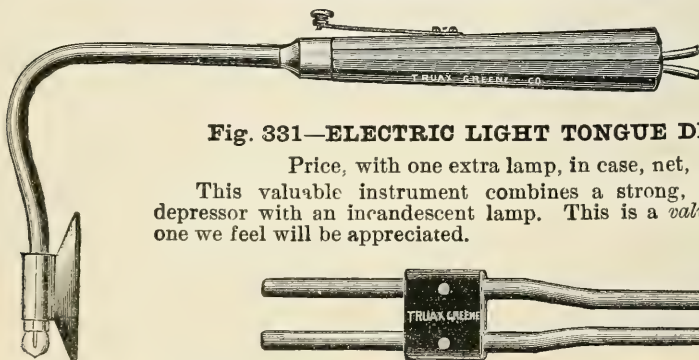


Fig. 331—ELECTRIC LIGHT TONGUE DEPRESSOR.

Price, with one extra lamp, in case, net, \$9 25.

This valuable instrument combines a strong, serviceable tongue depressor with an incandescent lamp. This is a *valuable combination*—one we feel will be appreciated.

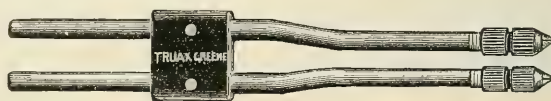


Fig. 332—ADJUSTABLE HOLDER FOR PLATINA CAUTERY TIPS.

Each, net, \$2 00. Platina wire for use with same, per grain, \$0 05.

This handle is intended for the use of specialists who make their own tips. The milled nuts on the ends of the two rods are adjusted to a closing device to clamp No. 24 or 26 wire.

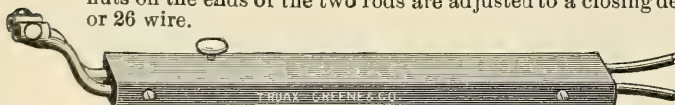
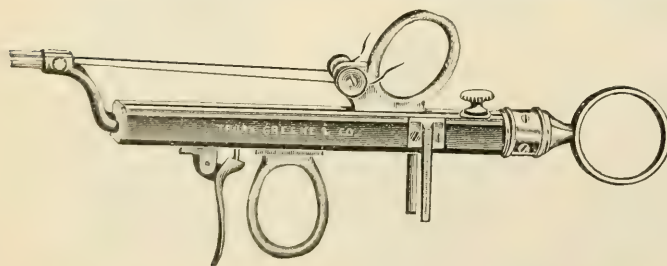


Fig. 333—PLAIN CAUTERY HANDLE. Net, \$3 50.



This handle is adapted to all the purposes of the specialist. It is both a cautery holder and a cautery snare. By means of a trigger the current may be turned on or off with only a slight pressure.

Fig. 334—SCHECH'S UNIVERSAL CAUTERY HANDLE. Net, \$10 00.

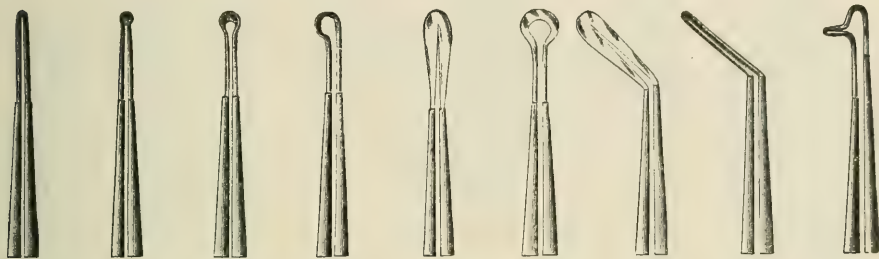


Fig. 336—'AMERICAN' CAUTERY HANDLE, WITH WINDLASS. Net, \$7 50

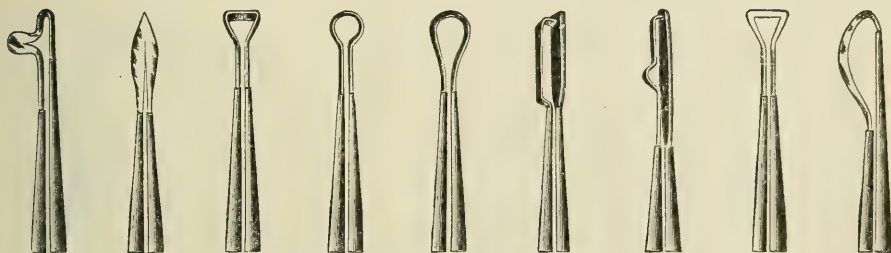
This is the well-known "Windlass" Universal Cautery Handle. It answers for snaring as well as holding electrodes.



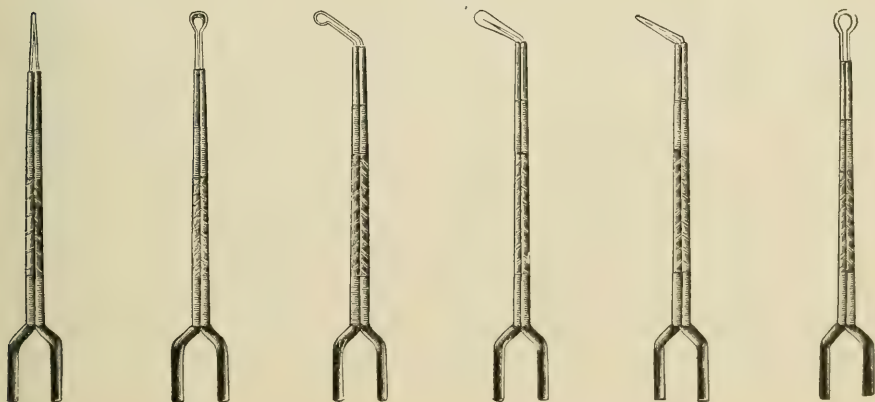
CAUTERY ELECTRODES.



Nos. 1 2 3 4 5 6 7 8 9
Cautery Electrodes with Platina knives or points, Nos. 1 to 9.....each, net, \$1 50



Nos. 10 11 12 13 14 15 16 17 18
Cautery Electrodes, with Platina knives or points, Nos. 10 to 18.....each, net, \$1 50



Nos. 19 20 21 22 23 24
Cautery Electrodes with Platina knives or points, Nos. 19 to 24.....each, net, \$1 50

These electrodes are finely finished, and constructed from the best of material; they are guaranteed equal to any made.

CHAS. TRUAX & CO. GREENE



FIRST AND FOREMOST

Among all Battery Cells for Electro-Therapeutic Practice Stands

THE CELEBRATED

"AXO" BATTERY.

Why? Because:

- 1st. It is the only Cell in the world which generates the proper current for medical treatment.
- 2d. It yields better results to the practitioner and greater satisfaction to the patient than any other Cell.
- 3d. It lasts longer than any other Cell.
- 4th. It is more economical than any other Cell.
- 5th. It does not establish local action in itself nor corrode its connections, but is clean and gives no trouble.
- 6th. *Because the results from its use in electro-therapeutic treatment are unattainable from any other known electrical source.*

We manufacture battery cells only, and do not make nor deal in cabinets, switch-boards and other appliances for fitting up physicians' offices.

To the manufacturers of such appliances we say:

Do not buy for use with your instruments the lowest-priced cell to be found in the market. Remember that the reputation of your instruments depends mainly upon the cells with which they are connected.

To physicians who use such appliances we say:

Upon your battery cells depends the success or failure of your work. All of your other apparatus is merely a more or less convenient medium for dispensing what the battery generates. You can judge fairly of the quality of instruments and switch-boards by examining them. No examination will give you any idea as to the value of your battery cells. You can find that out only from use in your practice, and that, *not in a week nor a month, but in one, two or three years.* Can you afford to risk experimenting for that time?

Why not order at once the standard cell for such work—the "Axo"—and be sure of your ground?

Whatever make of cabinets, switch-boards or instruments you decide to purchase, be sure to insist that the "Axo" cells are furnished with them. Do not let dealers persuade you into taking something else "just as good" or a "great deal better." Call for the Standard "Axo" Cells and take nothing else. If you have any difficulty in getting them send to us for circular and prices.

THE LECLANCHÉ BATTERY CO.

111-117 East 131st Street, - - - NEW YORK.

For Sale By

CHAS. TRUAX, GREENE & CO.

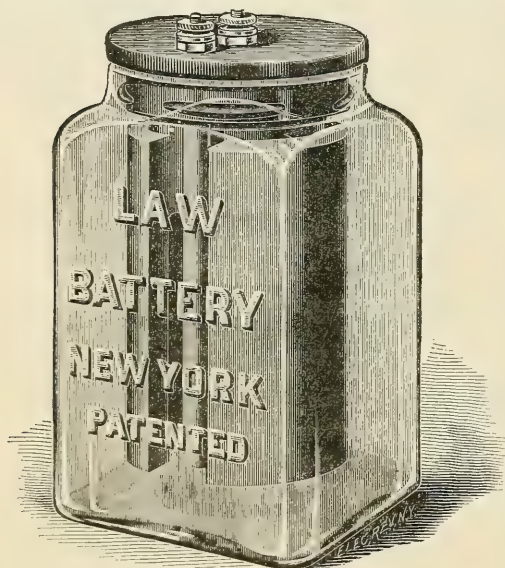
For Prices See Page 400

HAS TRUAX AND GREENE & CO.

DO YOU USE OR HAVE THE CARE OF

....BATTERIES?

If so, have you not often wished for one that would work satisfactorily for at least a year without attention, on Bells, Door Openers, etc.; for one that did not cost more for repairs and renewals in a year or two than it cost at first; for one that did not cover itself and everything about it with creeping salts? Have you not longed for such a battery?



THE LAW BATTERY

Is just the one YOU WANT!

The Standard Cell for all open circuit work.

Bells, Gas Lighting, Door Openers,
Burglar Alarms, Telephones,
Physicians' Work, Etc.

Eleven years on the market.

The First Cost the Only Cost

Consists of a Double Cylinder of pure carbon and a zinc pencil fastened to a hard rubber top, which locks to the jar, effectually preventing evaporation of the water and the creeping of salts. This Battery depends entirely on its large negative surface for its recuperative powers, and is superior to all others in that it contains no manganese or other depolarizing substance.

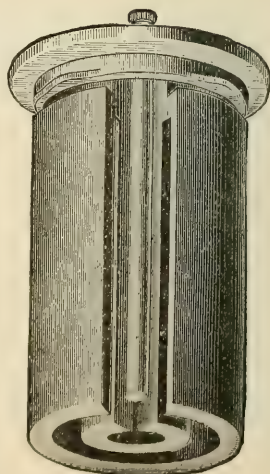
WE GUARANTEE

"To furnish at any time, and without charge, a new carbon cylinder for each old one returned as exhausted, polarized or having corroded connections." Since this offer always holds good, it will be seen that the only expense is the renewal of zincs and sal ammoniac, which is trifling compared with the cost of porous cups, prisms, etc.

List Price, Per Cell, - - - - - \$1 50

Net Price to Users, 40 or more cells, - - - - - 1 00

See Page 400.



HAS TRUAX (TRY) GREENE & CO.
WHEEL, VALVE, CYLINDER, PISTON, CRANK, & COILS

ELECTRIC BELTS.

THE OWEN ELECTRIC BELT AND APPLIANCES.



PRICE LIST OF DR. OWEN'S ELECTRO-GALVANIC BELTS AND APPLIANCES.

FOR LADIES' AND GENTS' BELTS.

Prices to patients, see page 400.

No. 1 Belt	\$ 6 00
2	10 00
3	15 00
4	20 00
1 with Spinal Appliance	10 00
2	15 00
3	25 00
4	30 00
Bands, each	2 50
Silk Suspensory	1 00
Insoles	1 00
Extra Appliances for No. 3 and No. 4 Belts, consisting of Neck Bands, Wrist Bands and Foot Plates	6 00

In ordering Belts, give waist measure just above the hips.

We wish to call the attention of physicians to the usefulness of our electric belts in cases where for lack of time, or money, patients are unable to get the treatment by electricity that they so often need.

The batteries of the Owen Belt are the lightest and also the strongest ever made. Each battery consists of ten galvanic cells. The batteries for the No. 1 and No. 3 belts have 1 by 1 1/4 inch of zinc to each cell, while the batteries for No. 2 and No. 4 have 1 by 1 1/4 inch square surface to each cell. The battery is so arranged that by reversing the battery in the pocket the current is reversed and with a clamping spring any number of cells can be used. In chronic and nervous diseases the belt has no equal.

A discount of 25 per cent. will be allowed to all physicians who order direct from us. Orders will also be received through druggists or surgical instrument dealers. Send for illustrated catalogue.



THE OWEN ELECTRIC BELT AND APPLIANCE CO.

201 to 211 State Street, Cor. Adams.

(THE OWEN ELECTRIC BELT BUILDING.)

CHICAGO, ILL.

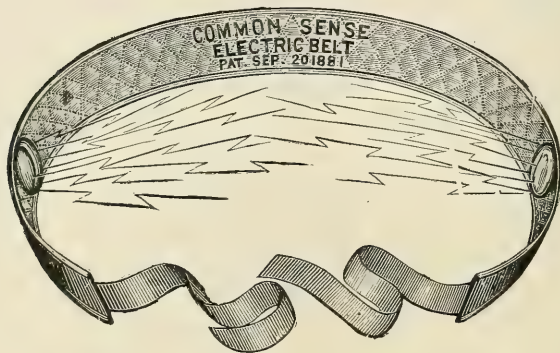
Orders may be sent to Chas. Truax, Greene & Co.



ELECTRIC BELTS.

Try it and be Convinced.

DISCOUNT, ONE-THIRD.



THIS BELT CURES

PARALYSIS,	LUMBAGO,	MALARIA,
NEURALGIA,	DYSPEPSIA,	LAME BACK,
RHEUMATISM,	FEVER AND AGUE,	LIVER COMPLAINT,
SPINAL IRRITATION,	SEMINAL WEAKNESS,	KIDNEY DISEASES,
NERVOUS EXHAUSTION,	FEMALE COMPLAINTS,	GENERAL DEBILITY.

FAC-SIMILE OF LABEL.

COMMON SENSE ELECTRIC BELT, THE BELT FOR THE MILLION.

Warranted Equal to any of the High Priced Belts and sold at a REASONABLE Price.

Manufactured by the

Common Sense Electric Belt Co.

Pat. Sept. 20, 1881.

CHICAGO, ILL.

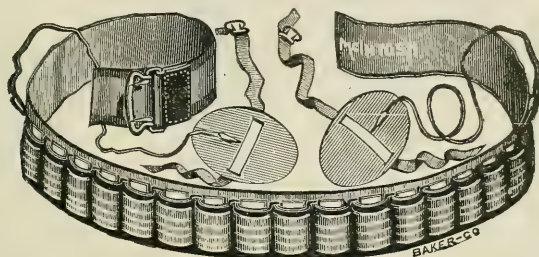
Price to patients according to quality, \$3.00, \$4.00 and \$5.00 each. See page 400

Sent by mail on receipt of price. Address your orders to our agents,

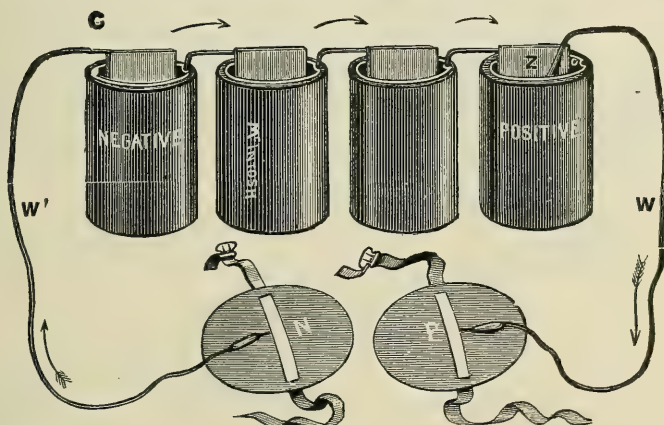
CHAS. TRUAX, GREENE & CO.

CHAS. TRUAX & CO. GREENE

ELECTRIC BELTS.



McINTOSH ELECTRIC BELT.



This cut represents a section of cells from the McIntosh Electric Belt; Z, zinc in the positive cell; W, wire connecting cell and positive electrode plate P; O represents copper lining of the negative cell; W', wire connecting with the negative electrode N.

We do not offer the McIntosh Electric Belt as in any sense a "cure all." Neither do we offer it in competition with the so-called "cheap" electric belts with which the market is flooded.

The McIntosh Electric Belt is a perfect galvanic battery in miniature; the same high quality of material and workmanship which is found in all the articles manufactured by us enters into the manufacture of our Electric Belt, and we make the assertion in the fullest confidence in its truthfulness, that the McIntosh Electric Belt, if used under the intelligent direction of the physician, will afford relief in any case of disease in which the symptoms would indicate the use of a mild galvanic current.

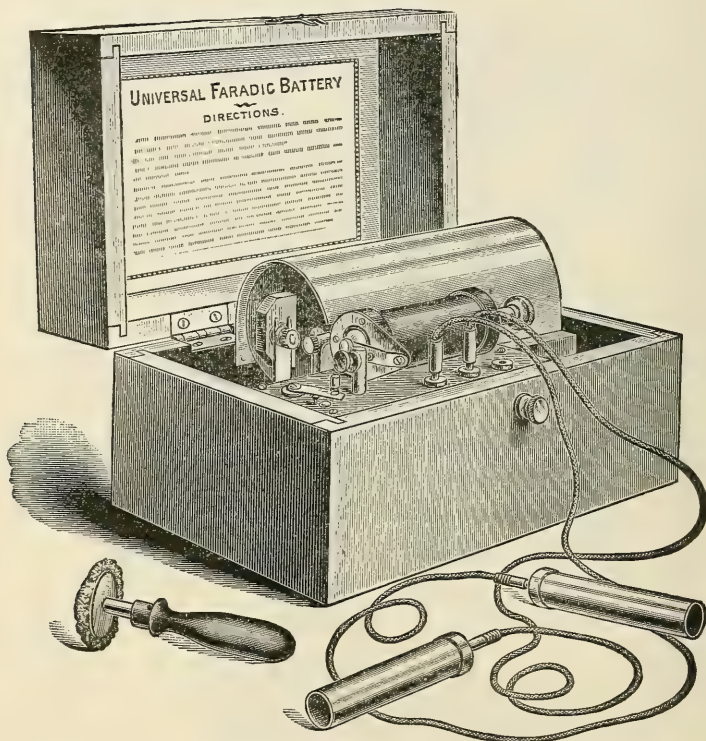
Price to patients, see page 400.....\$10 00

Price, with Suspensory Attachment.... 12 50

SEND FOR COMPLETE ELECTRO-THERAPEUTICAL CATALOGUE.



CELEBRATED DETROIT BATTERIES.



UNIVERSAL FARADIC BATTERY No. 2.

As a complete and finely finished Portable Faradic Battery, for either Physicians' or Family use, this Battery has no equal. It has embodied many new features and important improvements, which are not to be found in any other medical battery made. The Battery is, by an automatic cut-out lock, put into operation by simply raising the cover, and is stopped by closing same, thus preventing all waste of energy when battery is not in use.

A great annoyance heretofore experienced with most batteries has been the corroding of the battery connections, and in fact all metal parts of batteries by the spilling, or the vapor, of the liquid. This we entirely avoid by the use of the *Dry Cell*.

The current is smooth, soft and of pleasing quality, being entirely free from uneven pulsations, yet susceptible of gradual regulation, from a very weak up to an exceedingly powerful one. These batteries are very convenient for portable use, being light, compact, and having no liquid cells.

Full directions for using will be found on the inside of the cover of each case.

Our No. 1 Battery has the same mechanism as the No. 2, only the cell is in a vertical position and the battery box is square and somewhat larger.

No. 2, Complete with Handles, Silk-covered Cords, Sponge Electrodes; Price to patients	\$ 9 00
No. 1, " " " " " "	10 00

See Page 400.

Foot Plates.....	50
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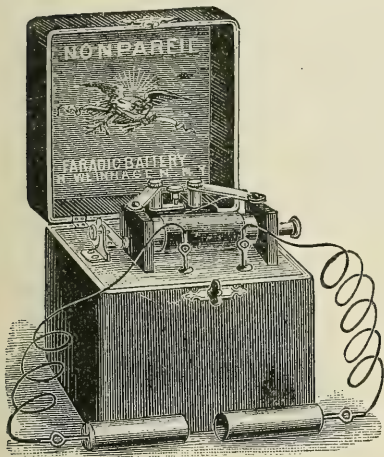
MANUFACTURED BY DETROIT ELECTRICAL WORKS, DETROIT, MICH.

For sale by Chas. Truax, Greene & Co.

CHAS. TRUAX & GREENE & CO.

WEINHAGEN'S BATTERIES.

NONPAREIL No. 1. A THREE-CURRENT FARADIC BATTERY.



FOR MEDICAL USE.

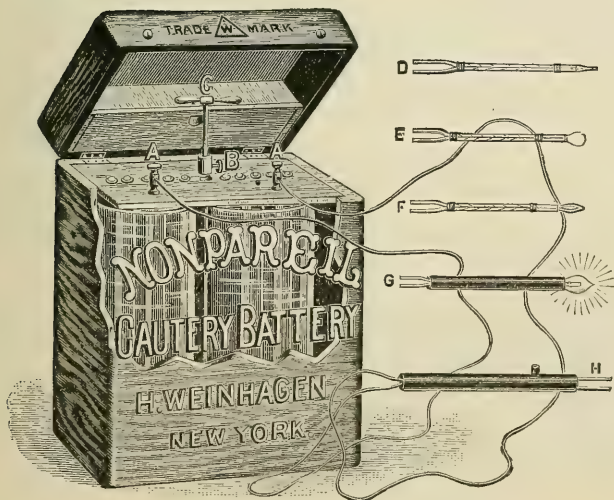
Size, $5\frac{1}{2} \times 5\frac{1}{4} \times 5\frac{1}{4}$.

The merits of this battery will be easily appreciated, as possessing neatness of design, simplicity of operation, and superiority of material, workmanship, and the production of a pleasant and uniform electric current, both mild and powerful. These qualities have heretofore only been found to exist in expensive and unnecessarily complicated machines.

Price to patients.....each, \$6 00

See page 400.

NONPAREIL CAUTERY.



**HANDSOME, SIMPLE
AND POWERFUL.
EASY TO OPERATE.**

LOW IN PRICE.

Size, $12 \times 10 \times 5\frac{1}{2}$ inches.

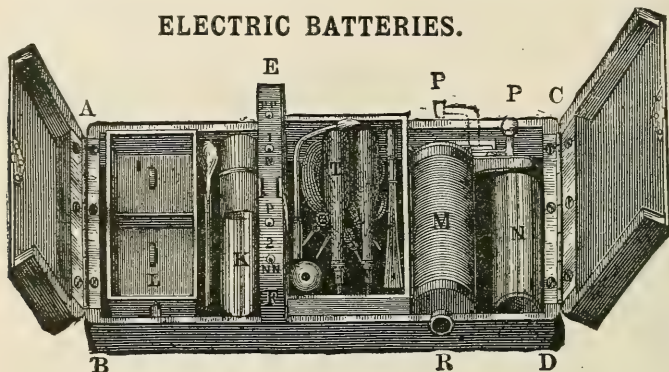
Has interrupting handle, electric lamp, cautery knife, point, and curette. Price, complete, in polished mahogany box, net, \$21 00.

In ordering, please specify our batteries. You will be pleased with their beauty and simplicity.

H. WEINHAGEN,
22-24 North William Street,
NEW YORK.

HAS TRUAX & GREENE & CO.

ELECTRIC BATTERIES.



GAIFFE'S BATTERY (Faradic Current).

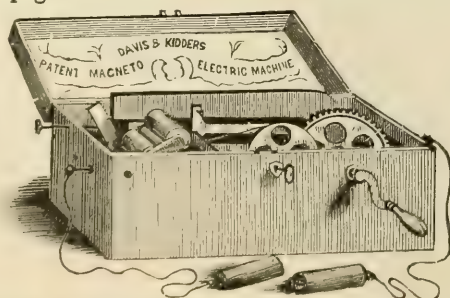
This gives: 1. The primary current. 2. The secondary current. 3. The current of the two first combined, in intensity. 4. Shocks, slow or fast, according to the use either of the contact breaker or the lever.

Admitting that the three currents produce the same physiological effects, they give a series of results increasing in intensity. The battery working this instrument consists of a small rectangular cell of hard rubber divided in the middle, each part containing a carbon plate and also one of zinc. Each is charged with bisulphate of mercury and water, producing no fumes or smell whatever. To prepare the apparatus for use, remove the zinc from the gutta serena reservoir, place a few grains of bisulphate of mercury on the carbon plates contained in same reservoir, and mix with a little water. Replace the zincs. Should the apparatus refuse to work, give the vibrator an impulse with your finger. The power of the apparatus is regulated by pulling out the tube more or less, and increased by adding to the dose of bisulphate of mercury. By properly placing the conducting wires in their sockets, we have the primary, the extra, and the primary and secondary currents. To produce shocks, press on the button. After use, clean out the reservoirs, wash and dry them.

To keep the apparatus in repair: Oxide often forms on the platina of the vibrator; clean it by rubbing it softly with a small smooth file. The same may happen to the springs which touch the platinum wires emerging from the reservoir; clean them in like manner, and as they serve the double purpose of holding in place the reservoirs and forming the connection with the instrument, it is necessary to re-bend them, should they cease to touch the wires. The ends of the conducting wires and their sockets should also be kept clean, which may be done with powdered pumice stone and a rag—the holes cleaned out with pumice stone and a piece of wood.

Accessories to the Battery.—1. A pair of Sponge Holders. 2. An olive-shaped Excitor. 3. A spherical Excitor. 4. A metallic Brush.

Price of Apparatus, to patients \$10.00; same, extra Troughs, each, \$1.75; extra Zinc Plates, each, 20c. See page 400.



DAVIS & KIDDER'S ELECTRIC MACHINE.

Price to patients\$10.00. See page 400.

CHAS. TRUAX & GREENE & CO.

ELECTRIC BATTERIES.

THE SMITH & SHAW CLOSED CELL POCKET BATTERIES.

One, two or three cells. Of those with two or three, according to the strength of the current wanted, either one cell only, or more, can be used at one time.

These batteries can be safely carried in the pocket, charged ready for immediate use.

They are contained in highly polished Mahogany cases and all metal work is nickel-plated.



ALPHA FARADIC BATTERIES.

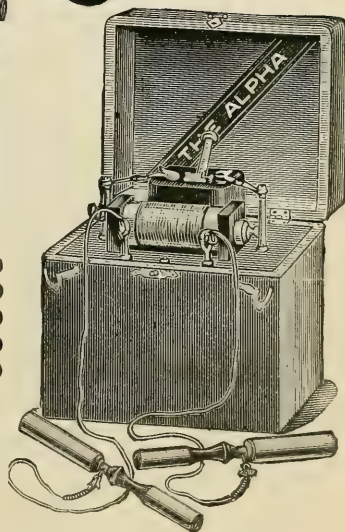
Reliable and cheap, and particularly adapted for family use. They are in elegant, polished cherry wood boxes, all metal work is nickel-plated and the conducting cords are silk covered.

Price to Patients, See Page 400.

One Cell Pocket Battery, size $3\frac{3}{4} \times 6\frac{1}{4} \times 1\frac{5}{8}$ in.	\$ 7 50
Two " " " " $4 \times 7\frac{1}{4} \times 1\frac{5}{8}$ in.	10 00
Three " " " " $4 \times 8\frac{3}{4} \times 1\frac{5}{8}$ in.	12 00
"Alpha" No.1 (one carbon) " $6\frac{1}{2} \times 5\frac{1}{2} \times 6\frac{1}{2}$ in.	5 50
" " " 2 (two carbons) " $6\frac{1}{2} \times 5\frac{1}{2} \times 6\frac{1}{2}$ in.	7 00

THE SMITH & SHAW ELECTRIC CO.
SCHWINDT & EDELKAMP, Successors,
610 Eighth Avenue, NEW YORK.

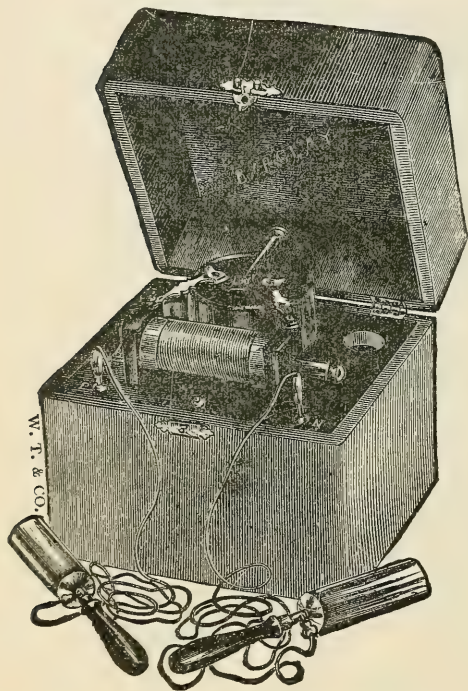
FOR SALE BY CHAS. TRUAX, GREENE & CO.



HAS TRUAX & GREENE & CO.

ELECTRIC BATTERIES.

THE BARCLAY No. 1 FARADIC BATTERY.



For physicians' or household use. An excellent machine at a popular price.

Patent Hydrostat, Hinged Rod, Silk-Covered Cords and Shell Electrodes with Handles. All metal parts nickel-plated and burnished. In handsome polished wood case. Size, $6\frac{1}{2} \times 6$ inches.

Price to patients.....each, \$6 00

See page 400.

No. 1 POCKET BATTERY.

(Barclay Manufacturing Co.)

Complete with Zinc, Carbon, Coil and Regulator, Silk-Covered Cords, Shell Electrodes and vial of bisulphate of mercury. Polished mahogany box, $4\frac{1}{4} \times 3 \times 1\frac{1}{2}$ inches.

Price to patients.....each, \$2 80
See page 400.

No. 2 POCKET BATTERY.

(Barclay Manufacturing Co.)

Two Cells.

Complete with Zincs, Carbon Cups, Coil and Regulator, Silk-Covered Cords, Shell Electrodes with Handles and vial of bisulphate of mercury. Polished mahogany box, $6\frac{1}{2} \times 3 \times 1\frac{1}{2}$ inches.

Price to patients.....each, \$5 00
See page 400.



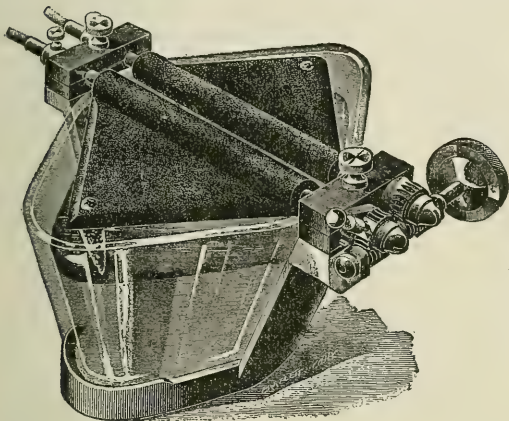
FOR SALE BY CHAS. TRUAX, GREENE & CO.

HAS TRUAX & GREENE & CO.

LAW ELECTRIC BATTERIES.

THE LAW BAILEY CURRENT CONTROLLER.

FOR REGULATING THE STRENGTH OF CURRENT. OR DOSAGE.



This NEW instrument perfectly supplants the Switchboard or Cell Selector as a means of modifying the current.

It is far better; also cheaper. It imposes EQUAL WORK upon all the cells of the BATTERY.

Current regulation is perfect.

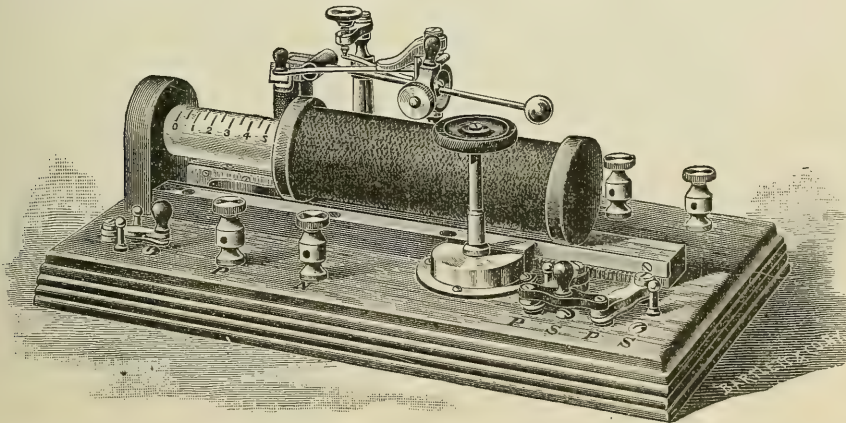
From full strength of the battery down to a current so feeble as to be imperceptible to the most sensitive organ, and this is without any possibility of breaks in the circuit or sudden shocks to the patient; a most important feature, as all physicians know who use electricity in their practice.

With the regulator there is a saving in the number of wires leading from the battery, as only two are necessary.

List price.....\$15.00
Subject to discount. See page 400.

THE LAW DUBOIS-RAYMOND FARADIC COIL

Is provided with a slow and a rapid Rheotome or Current Interrupter, a Commutator or Polarity Changer, a Calibrated Scale by which all the currents may be accurately

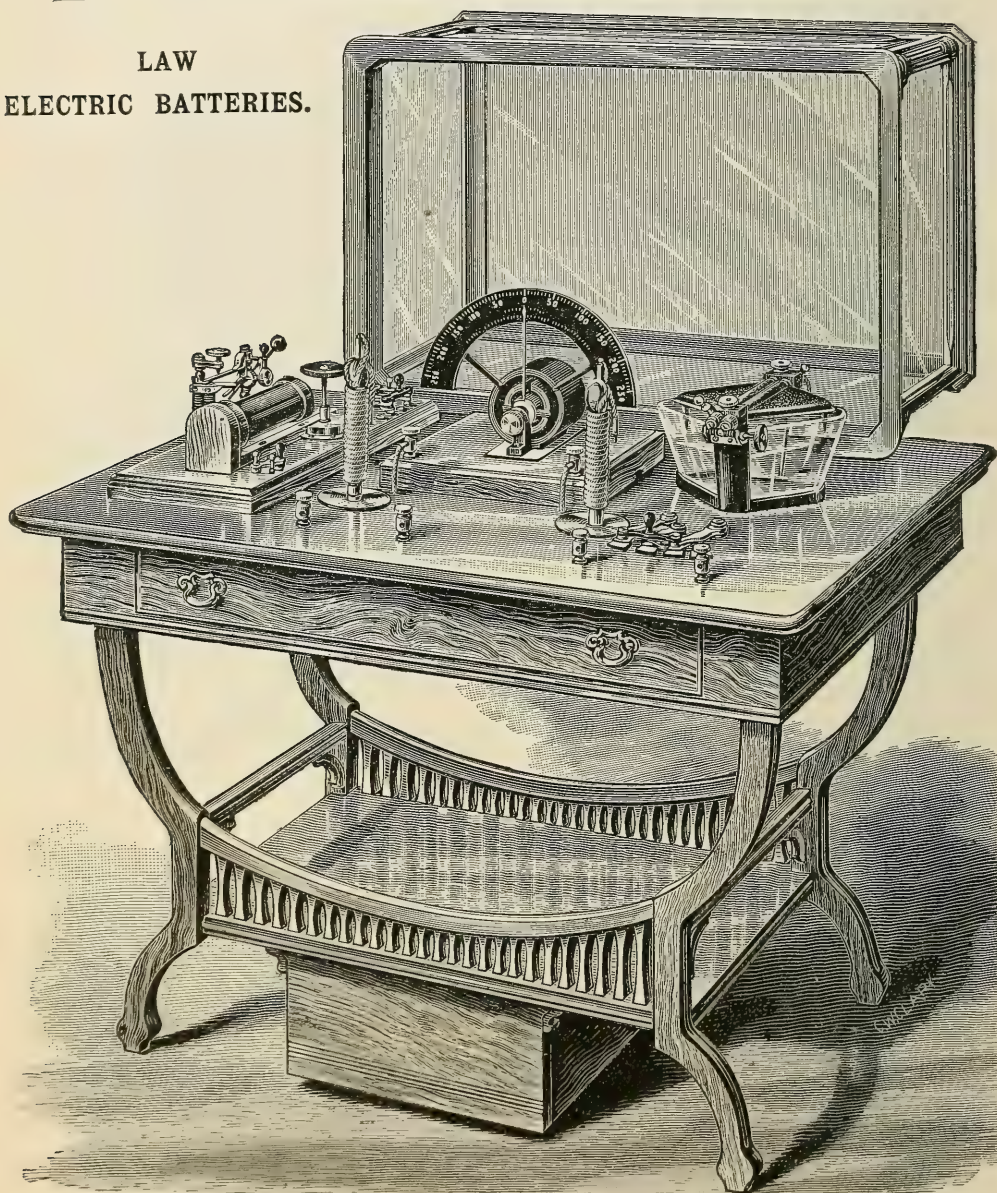


registered, a Rack and Pinion by which the currents can be graduated to the utmost delicacy or to the greatest power. Mounted on handsome base, all metal parts heavily plated. Size over all, 14 in. x 10 in., making the most complete Office Faradic Outfit on the market.

List price.....\$30.00
Subject to discount. See page 400.

HAS TRUAX & GREENE & CO.

LAW ELECTRIC BATTERIES.



LAW ELECTRO-THERAPEUTICAL TABLE OFFICE OUTFIT.

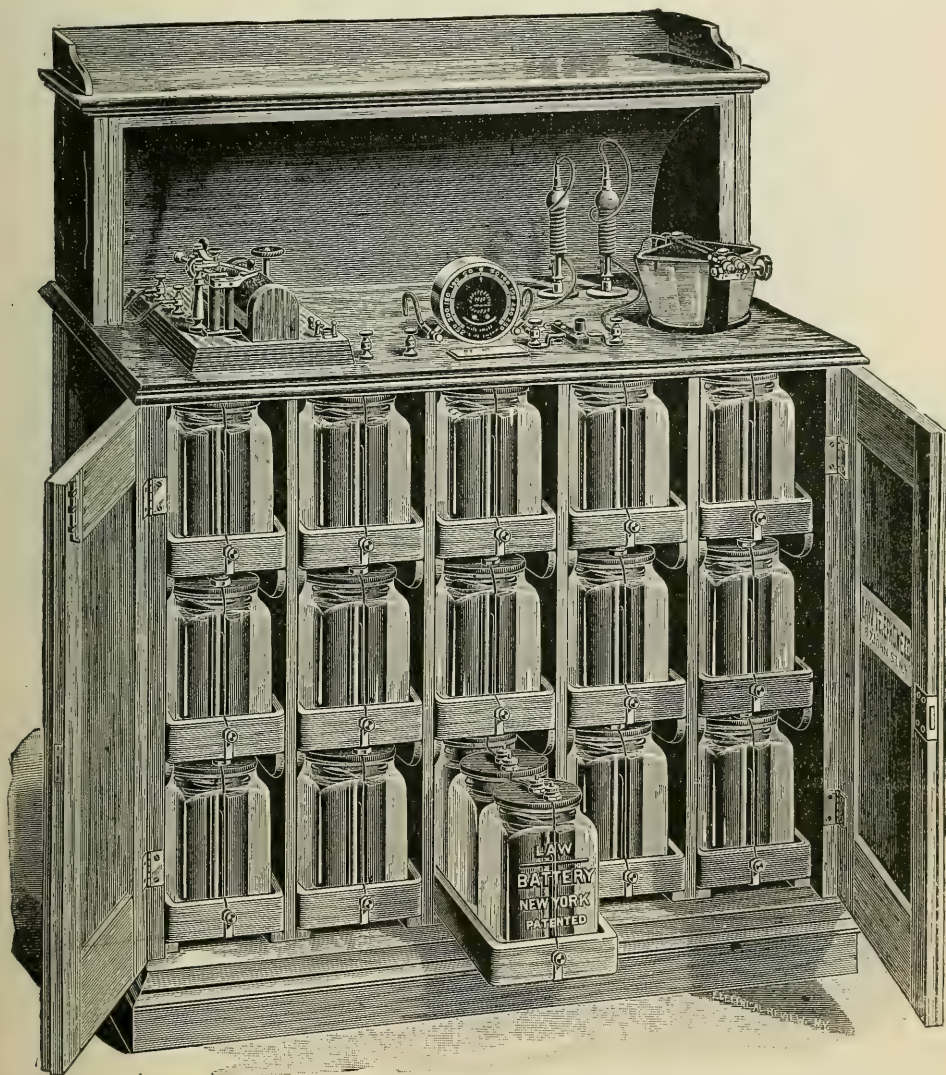
Antique Oak Table, 23 inches deep, 30 inches high, 33 inches long; Plate Glass (double thick) Cover; Top Drawers for Electrodes and Smaller Drawer for two cells on Faradic Coil. The Meter shown is new, and possesses features that recommend it where accuracy and easy reading are desired. The Cells are placed at the most convenient point, and two wires, one from terminal zinc, the other from first carbon, are led to binding posts in rear of table.

Sixty Cells and Table as shown \$200

Subject to discount. See page 400.

HAS TRUAX & GREENE & CO.

LAW ELECTRIC BATTERIES.



THE LAW ELECTRO-THERAPEUTICAL CABINET OFFICE OUTFIT.

Solid Antique Oak Roll Top Desk Cabinet, with finished back and ball-bearing casters. Has fifteen Trays, each holding four cells latest improved Law Battery. Each Tray can be drawn out for inspection of cells and put back without disturbing wire connection, the circuit opening and closing automatically. This feature is entirely new; is one of great convenience, and admits the full number of Cells in a Desk only 23 inches deep, 30 high, 33 long—never before accomplished. It is equipped with a new Dubois-Raymond Faradic apparatus, just out, and the New Bailey Current Controller, also just out. Besides these there is the Mil-am-pere Meter (any make Meter may be used), Pole Changing Switch, etc. Can be set and cared for by a child. Send for catalogue.

Price complete\$225.00

Subject to discount. See page 400.



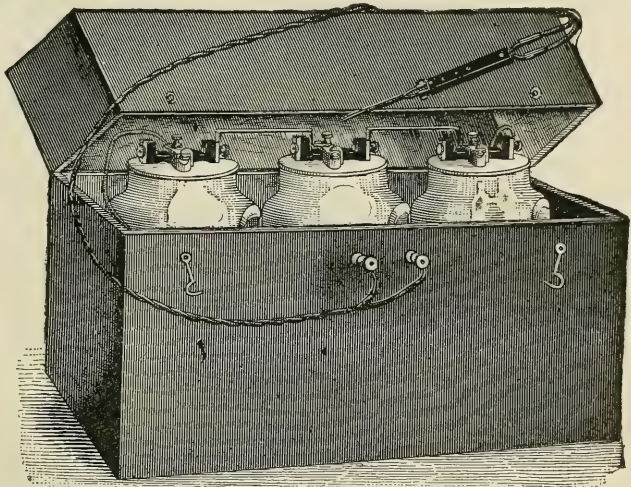
EDISON ELECTRIC BATTERIES.

A Complete Cautery Outfit for \$25.00.

ONE CHARGE WILL LAST ONE YEAR,

With absolutely no attention.

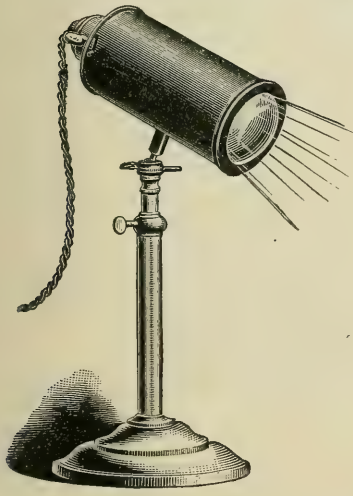
*Price complete,
Includes 3 Edison-
Lalande Cells,
Type P, contained
In a Handsome Case*



- 1 Pair Cautery Cords
- 1 Edison Cautery Handle
- 1 Edison Cautery Knife

Net, \$25.00.

This is the most complete, economical and efficient Cautery Battery in the market.



**THE DELAVAN
ELECTRIC LARYNGOSCOPIG CONDENSER.**

This Condenser is fitted with a Ball and Socket Attachment that allows the light to be thrown at any angle, and casts absolutely no shadow.

Price complete, including condenser, stand, 32 candle-power lamp, 10 feet flexible cord and plug to fit Edison Socketnet, \$18.00

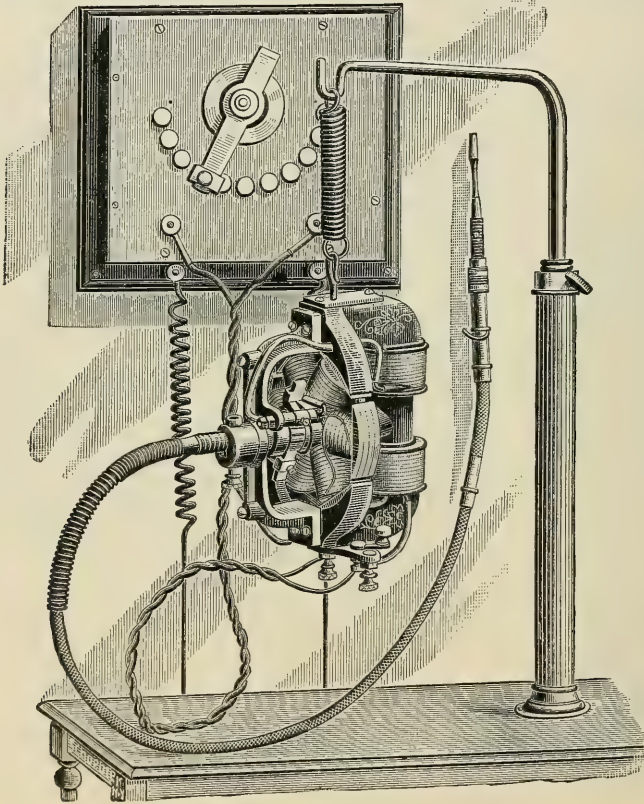
MANUFACTURED BY
EDISON MANUFACTURING CO.,

110 East 23d Street, NEW YORK.

For Sale by Chas. Truax, Greene & Co.

CHAS. TRUAX & CO. GREENE

EDISON ELECTRIC BATTERIES. THE EDISON SURGICAL AND DENTAL MOTOR OUTFIT.



★ COMPRISING ★

Motor with Suspension Spring and Coupling.

Flexible Shaft with Extra Flexible Extension and Hand-piece.

Regulating Motor Rheostat and Connecting Cords to Motor.

Adjustable Standard with Bent Arm.

Complete Price, Net, \$42.00.

PRICES OF SEPARATE PARTS.

Motor with Coupling and Suspension Spring	Net, \$15.00
Flexible Shaft with Extra Flexible Extension and Hand-piece.....	17.00
“ “ with Handpiece but without Extra Flexible Extension	15.00
Adjustable Standard with Bent Arm	6.00
Regulating Motor Rheostat.....	6.00
Battery of 6 Edison-Lalande cells, porcelain jars type P, with charge for same,	
which will run motor 200 hours with absolutely no attention.....	
<i>This battery is also suitable for Cautey work when used with a regulating Cautey</i>	
<i>rheostat made specially for this purpose which could be supplied together with heavy leads and</i>	
<i>cautey cords at an extra cost of \$16.00.</i>	
Battery of 6 K cells, equipped as above battery, which will run motor 100 hours, \$17.00.	



EDISON ELECTRIC BATTERIES.

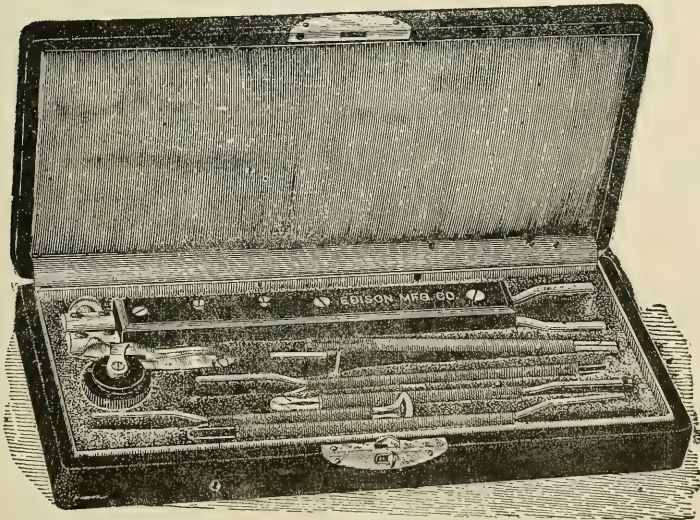
EDISON CAUTERY HANDLE AND KNIVES.

We wish to call particular attention to our improved Cautery Handle and Knives.

The handle is adapted for both knife and snare work and particular attention has been paid to the interior construction, so that all trouble caused by imperfect contact is eliminated—a fault so frequently found in the handles in present use.

The knives are constructed on strictly scientific principles, so that the whole energy of the battery is concentrated in the platinum tip, instead of being wasted before reaching that point.

We were induced to take up the manufacture of these knives from the fact that up to the present time there have been no cautery knives made to a definite standard. We may add that all these knives are thoroughly tested and standardized before leaving the factory and are guaranteed to give perfect satisfaction with the Edison-Lalande Cautery Battery.



EDISON CAUTERY INSTRUMENT CASE.

Morocco Leather Case containing one Edison Cautery Handle, with snare attachment, canula and platinum snare, also one each Nos. 2, 3, 4 and 5 Cautery Knives.....Net, \$16 00



ELEMENTARY PRINCIPLES OF *Electro-Therapeutics*

WITH 150 ILLUSTRATIONS,

PREPARED BY G. M. HAYNES, M.D.

DESIGNED FOR THE USE OF STUDENTS AND PHYSICIANS.

This volume of 512 pages contains a résumé of the elementary principles of
MAGNETISM, GALVANISM, FARADISM, FRANKLINISM.

It is especially adapted to those who are about introducing electricity into their practice, as well as to those who have given its scientific application little or no consideration.

It will be found of practical value to

The Student, the Busy Practitioner and the Therapeutist.

Complete and definite directions, collected from the best American and European authors, for the treatment of all diseases to which electricity has been successfully applied.

This book will be sent by mail, post-paid, upon receipt of the price, \$2.00

ELECTRICITY

AND THE METHODS OF ITS EMPLOYMENT IN REMOVING

Superfluous Hair and other Facial Blemishes

By **PLYM. S. HAYES, A.M., M.D.**

Late Prof. of Chemistry and Toxicology, Woman's Medical College; Prof. of Analytical Chemistry
Chicago College of Pharmacy; Prof. of Gynecology and Electro-
Therapeutics, Chicago Polyclinic, etc.

If you desire to do this operation successfully and gain the good will of your patients, you can ill afford to be without this work.

This book will be sent by mail, post-paid, upon receipt of price, \$1.00.

Medical and Surgical Electricity — IN — DISEASES OF WOMEN AND OBSTETRICS.

By **FRANKLIN H. MARTIN, M.D.**

Professor of Gynecology, Post-Graduate Medical School of Chicago; Attending Surgeon, Woman's Hospital of Chicago; Gynecologist to Charity and Post-Graduate Hospitals; Member the Chicago Gynecological Society and the American Gynecological Society, Etc.

252 PAGES WITH ILLUSTRATIONS

Price \$2.00 Post-paid.



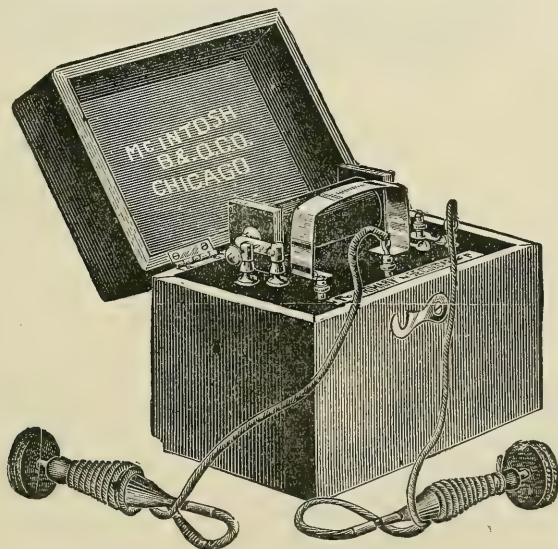
McINTOSH BATTERIES.

FORMS OF ELECTRICITY.

Faradism is employed in the two forms of primary and secondary currents, often called interrupted or induced currents. This is the form of electricity in most general use, but GALVANISM, or the continuous current, is the more important, owing to its electrolytic quality, which depends upon its chemical power; this enables us to produce a more profound effect upon the vital processes and nerve centers.

These different forms of Electricity require special apparatus for their production.

A Faradic Battery consists of a Helix or Coil and one or two galvanic cells, which are connected with it to produce the Faradic currents. A good Faradic Battery for medical purposes should furnish smooth and agreeable currents, the strength of which may be increased to any desired potential. It is especially important that the current used for very sensitive patients and the organs of special sense should be exceedingly soft, yet of sufficient electro-motive force to overcome the resistance of the skin and penetrate the structures beneath, without producing disagreeable shocks. The battery should be so constructed that a current of great strength can be obtained for cases requiring it, and the devices by which the currents are selected and varied should be simple and easily manipulated.



McINTOSH FAMILY FARADIC BATTERY.

Price of Family Faradic Battery (with handles and conducting cords) to patients.....\$10 00. See page 400.

In response to the request of our patrons for a low-priced Faradic Battery, not a mere toy, such as is offered to the public, but one made of good material, in a substantial manner and that will give a smooth, even current, suitable for family use, we have made the instrument shown in above cut.

It is made on the same principle as our higher priced Faradic Batteries, and is portable. It is not intended to do the work of the Physician's Battery, but for domestic use it answers every purpose.

It is put up in a neat black walnut case, 6½ inches long, 6 inches high and 5 inches wide, and furnished with electrodes and conducting cords. All the metal work is finely nickel-plated.

SEND FOR COMPLETE ELECTRO-THERAPEUTICAL CATALOGUE.

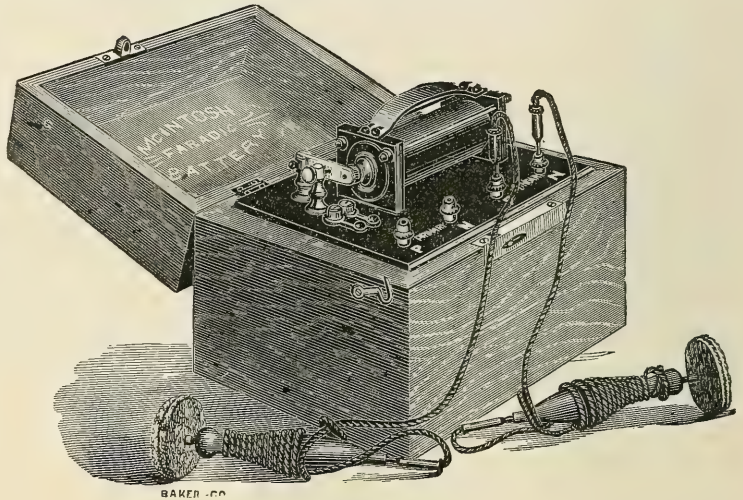
HAS TRUAX & GREENE & Co.

McINTOSH BATTERIES.

McINTOSH PHYSICIANS' FARADIC BATTERY No. 1.

Price to patients, with Electrodes, as
shown in cut.....\$18 00
See page 400.

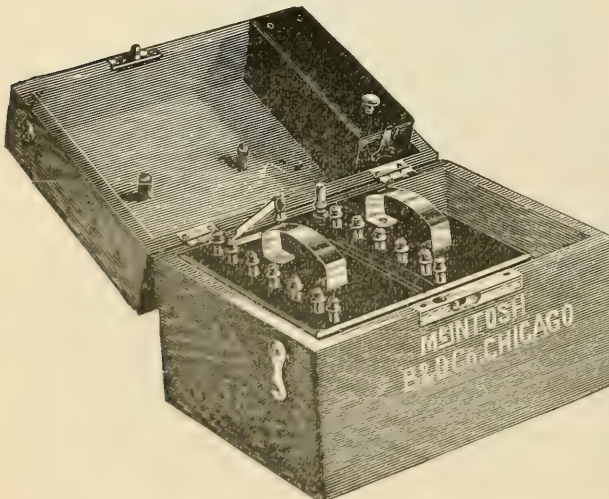
Physicians' Faradic Battery No. 3. Price
to patients.....30 00
See page 400.



A GALVANIC BATTERY

Consists of a series of cells, each containing a pair of dissimilar metal plates and an exciting fluid. These cells should be arranged in convenient shape to be easily charged and cleaned. The connections should be simple and so firmly attached that they cannot become disarranged accidentally; the surface of contact between elements and connections should be comparatively large, so as to offer no obstruction to the passage of electricity; the distance between elements should be small, to lessen the resistance of the fluid, and the cells should be so arranged and connected that any one or more in the series may be used at will, since a defective element or exhausted fluid in one cell

in series will reduce materially the total strength of the current. This method of arrangement also enables the operator to use up the zinc and fluid uniformly, thus making a battery of a given number of cells last more than twice as long without recharging as when the first cells in series must always be included in circuit.



TWELVE-CELL GALVANIC BATTERY.

12-cell Galvanic Battery.
Price, to patients....\$30 00
See page 400.

18-cell Galvanic Battery.
Price, to patients....\$40 00
See page 400.

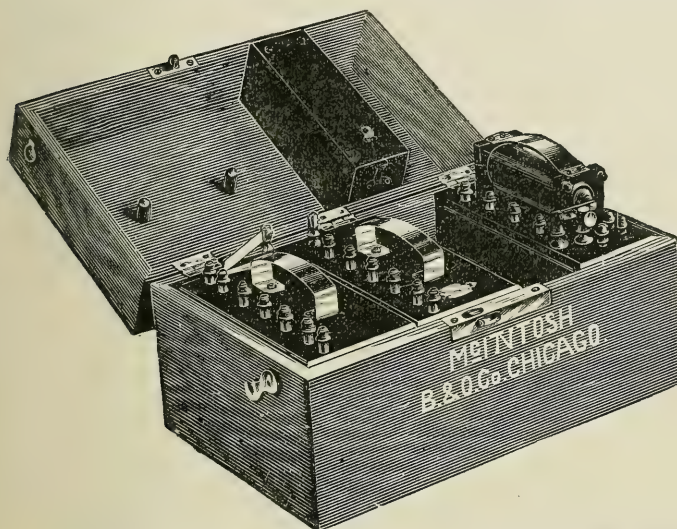
24-cell Galvanic Battery.
Price, to patients....\$55 00
See page 400.

SEND FOR COMPLETE ELECTRO-THERAPEUTICAL CATALOGUE.

HAS TRUAX & GREENE

McINTOSH BATTERIES.

A COMBINED GALVANIC AND FARADIC BATTERY.



Consists of two distinct batteries inclosed in one case, for convenience in carrying.

A combined battery should be light in weight, so that it can be comfortably handled.

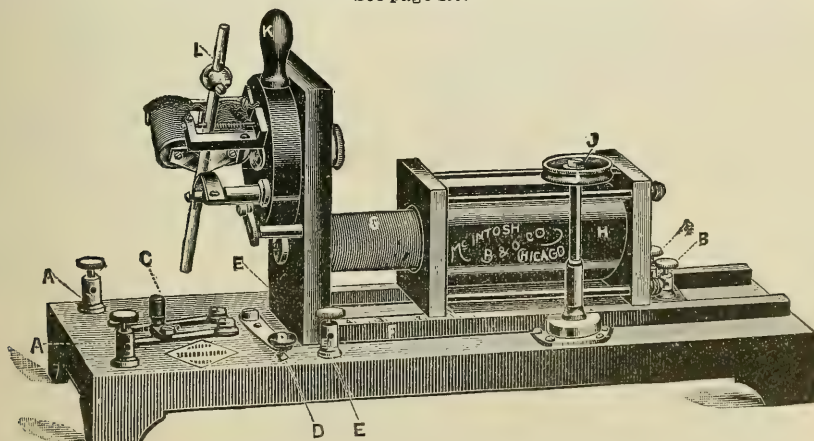
It should be simple in construction, so that those not gifted with mechanical training can understand how to manage it.

It should be easily cleaned and kept in order, so that it may be intrusted to an unskilled attendant for charging, cleaning and recharging.

It should consist of two distinct instruments in one case, so that each battery can be used the same length of time without recharging, which is not the case when the same cells must provide both kinds of electricity.

COMBINED GALVANIC AND FARADIC BATTERY.

Prices—12-cell, to patients, \$40.00; 18-cell, to patients, \$52.50; 24-cell, to patients, \$67.50
See page 400.



TRIPIER INDUCTION APPARATUS.

Used by Dr. Apostoli, Dr. Ranvier and other eminent specialists.

Price, without cells.....\$100 00
See page 400.

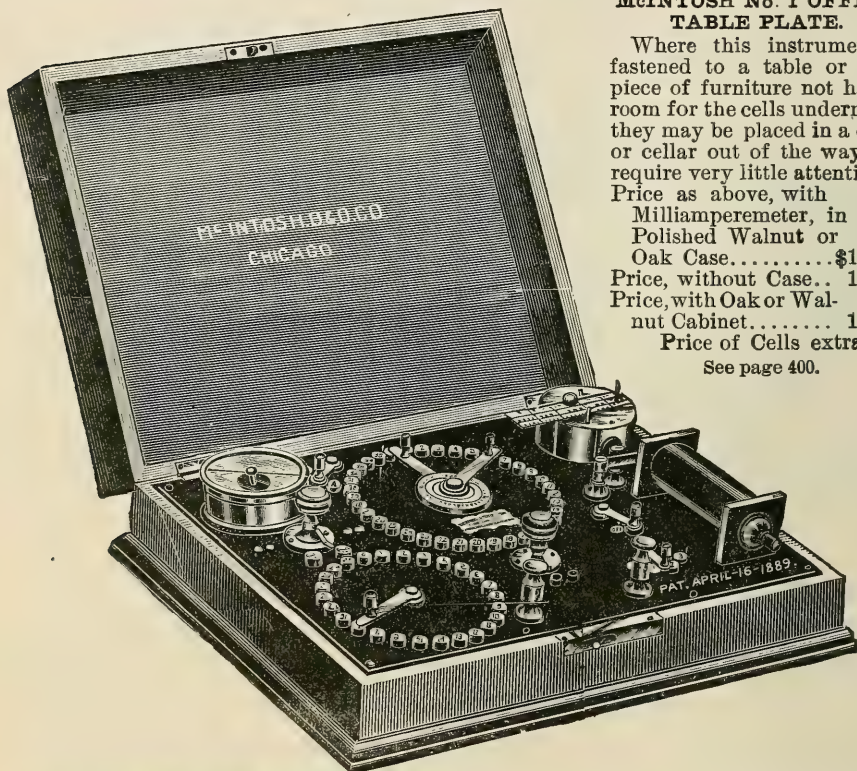
McINTOSH No. 1 OFFICE TABLE PLATE.

Where this instrument is fastened to a table or other piece of furniture not having room for the cells underneath, they may be placed in a closet or cellar out of the way, and require very little attention.

Price as above, with
Milliamperemeter, in
Polished Walnut or
Oak Case.....\$105 00
Price, without Case.. 100 00
Price, with Oak or Wal-
nut Cabinet..... 150 00

Price of Cells extra.

See page 400.



McINTOSH No. 2 OFFICE TABLE PLATE.

This is an elegant piece of work, and will meet the wants of the profession where a less expensive battery is desired.

Price, as above described, in Pol-
ished Walnut Case.....\$35 00
Price, without Case..... 30 00

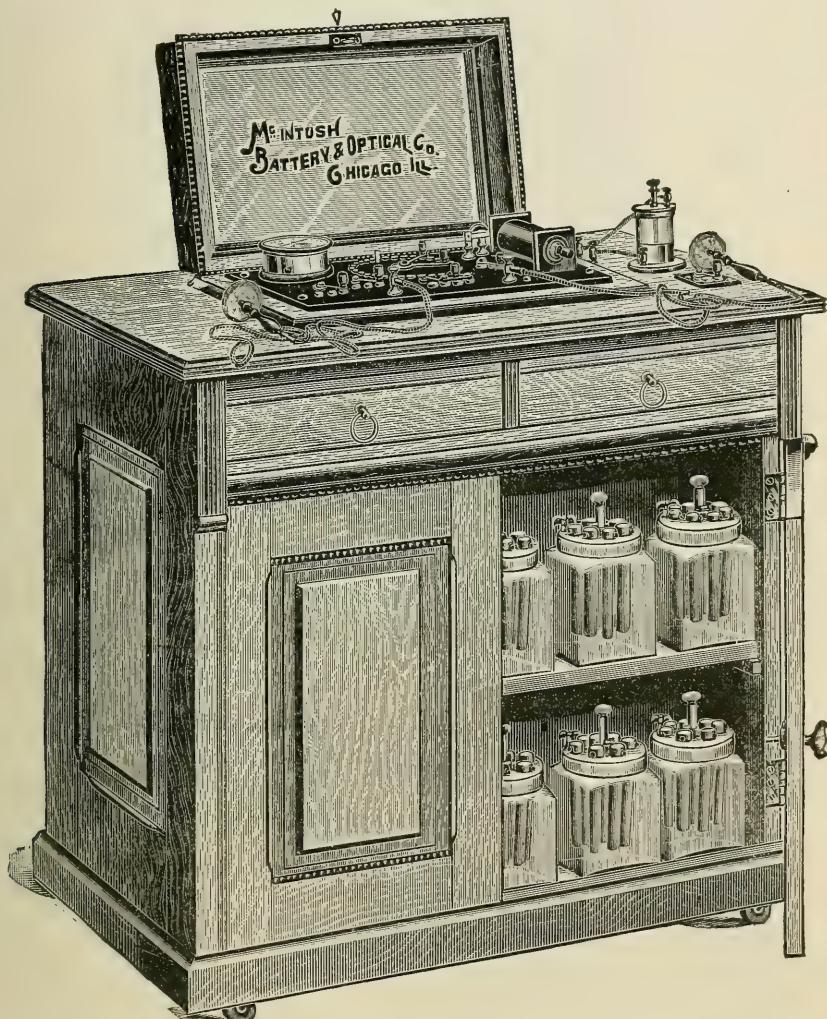
Price of Cells extra.

Price, with Walnut Cabinet and
36 Diamond Carbon Cells.... 90 00
See page 400.



CHAS. TRUAX & CO. GREENE & CO.

McINTOSH CABINET BATTERIES.



McINTOSH No. 4. CABINET BATTERY.

This elegantly fitted Office Cabinet has the No. 4 Office Table plate shown on the preceding page. It is well fitted to hold the place of honor between the unrivaled, but more expensive No. 1 Cabinet, and that peer of all inexpensive Office Batteries, the McIntosh No. 2 Cabinet Battery.

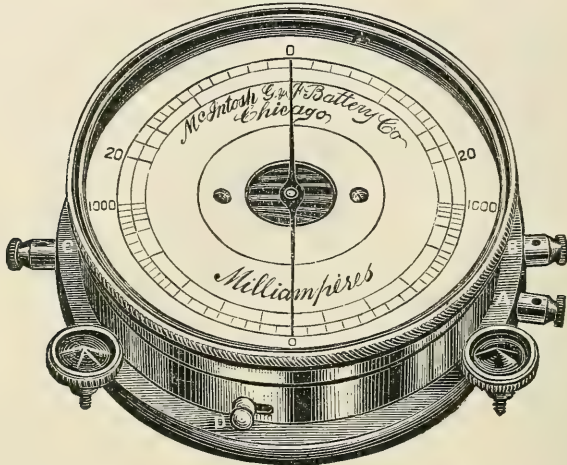
In addition to the accessories of the No. 4 Table Plate, we furnish the McIntosh New Carbon Rheostat, Sponge Electrodes and Cable Conducting Cord. The Cabinet is a handsome design in highly polished Oak, with Plate Glass Cover.

Price as above, without Cells.....\$90 00 See page 400
 Price as above, without Rheostat.....80 00 " 400

SEND FOR COMPLETE ELECTRO-THERAPEUTICAL CATALOGUE.



MCINTOSH BATTERIES.

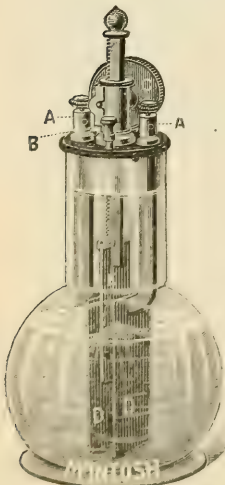


MCINTOSH MILLIAMPERE METER.

It is now conceded that the Milliampere Meter is one of the most important factors in the treatment of disease by electricity, as with it the exact amount, or "dosage," of the current that passes *through* the patient is determined. Our instrument is absolutely correct, as it is graduated by standard measurements, and the greatest care is taken in the manufacture. There are two separate scales; the upper one is graduated from $\frac{1}{2}$ to 20, and the lower one from 1 to 1,000 milliamperes; so any range of current can be obtained.

Price.....\$25 00 See page 400.

MCINTOSH HYDRO-PLATINUM RHEOSTAT.



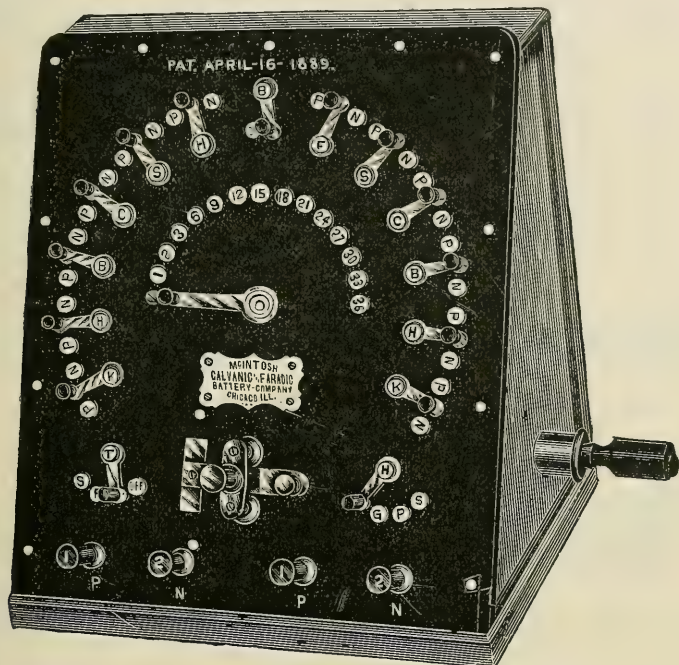
PATENT APPLIED FOR.

The Rheostat figured in the cut is one devised for the special object of rendering it possible of increasing or decreasing the strength of the current in absolute gradual gradations, from zero to the full current strength and back again. Between two small, thin sheets of platinum (D D), suspended in water with suitable attachment (A) for one pole of the battery, is suspended a third piece of platinum (E) with pointed end, that can be lowered or elevated gradually in the water between the other two sheets (D D), by means of a delicate ratchet combination (B C) above. This plate is connected with the other pole of the battery by one of the binding posts (A). When plate E is elevated so that its pointed lower end is out of the water no current can pass the instrument, but as it is gradually lowered into the water, the resistance becomes gradually less and less, until the desired current strength is reached, or until the full capacity of the battery is obtained. Thus by elevating or lowering this central sheet, a current of great strength can be perfectly controlled in gradual gradations, no shock being possible.

Price.....\$ 20 00 See page 400

HAS TRUAX & GREENE & CO.

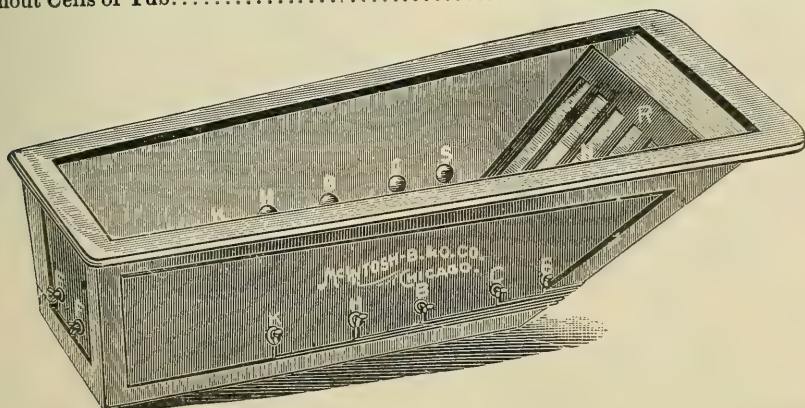
McINTOSH BATH APPARATUS.



COMBINED GALVANIC AND FARADIC BATH APPARATUS NO. 2.

This apparatus is made on the same plan as our No. 1, but less expensive. It is arranged to connect with any number of galvanic cells from 1 to 60, and has the same bath tub and electrodes as No. 1.

Price, complete as above, including 36 Galvanic Cells and 1 Paitz Battery Cell and Wood Bath Tub.....\$175 00 See page 400
Without Cells or Tub..... 125 00 " 400



ELECTRIC BATH TUB (WOOD) WITH STATIONARY ELECTRODES.

SEND FOR COMPLETE ELECTRO-THERAPEUTICAL CATALOGUE.



McINTOSH ELECTRODES.

Electrodes specially recommended for use in Gynecological Practice, by the Apostoli Method.



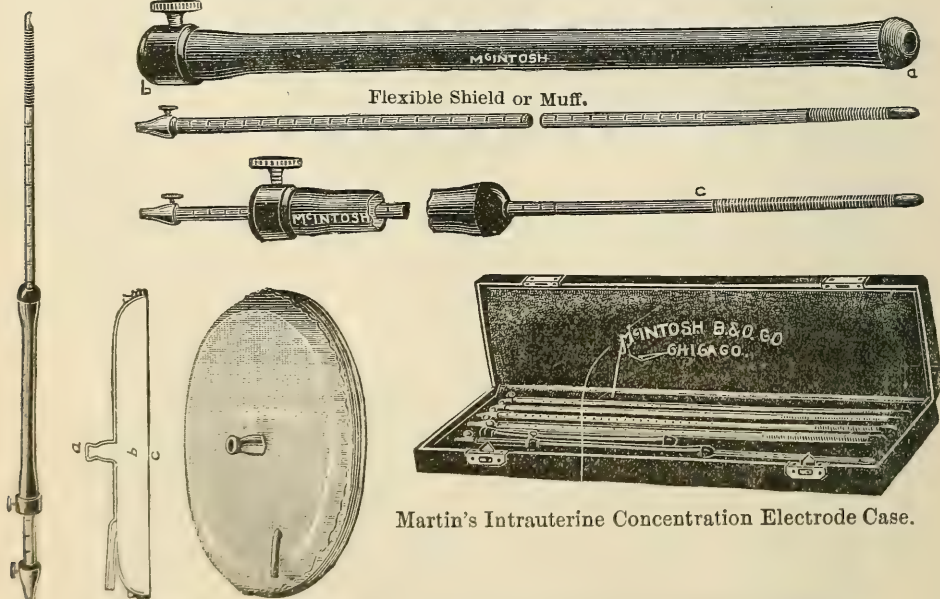
57. DR. MARTIN'S INTRAUTERINE ELECTRODE.
(Platinum Stem.)

Price\$8 00



58. DR. MARTIN'S FIBROID NEEDLE.
(Platinum Point.)

Price.....\$2 50



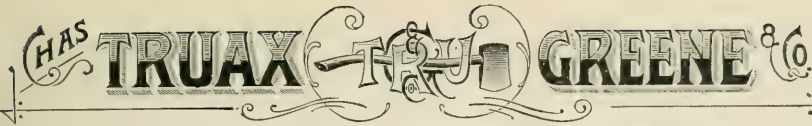
Martin's Intrauterine Concentration Electrode Case.

MARTIN'S FLEXIBLE INTRAUTERINE CONCENTRATION ELECTRODES.

For treatment of Fibroid Tumors of the Uterus by the "Apostoli" method.
Set of four Martin's Concentration Electrodes in Plush-lined Morocco Case..... \$20 00
Price of one only, including the muff 6 00
Price of Rubber Muff only 75

See page 400.

SEND FOR COMPLETE ELECTRO-THERAPEUTICAL CATALOGUE.



McINTOSH ELECTRODES.

Martin's Intrauterine Concentration Electrode Case contains:

1	Flexible Intrauterine Electrode,	3 C. M. for 50 M. A.
1	"	3 C. M. for 100 M. A.
1	"	5 C. M. for 50 M. A.
1	"	5 C. M. for 100 M. A.
1	Bougie, 3 C. M.	
1	" 5 C. M.	
1	Shield or Rubber Muff.	

Price for the case complete.....\$20 00

NOTE—When the Martin's Intrauterine Concentration Electrodes require renewal, if the old Electrode with its platinum wrapping is returned to us, we will send a new one of same size at \$1.25 net.

These repair charges must invariably accompany the order.



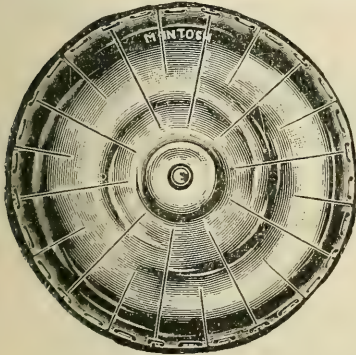
82. Improved Bipolar Intrauterine Electrode, with Platinum Olive and Platinum tipped flexible muffPrice, \$8 00



69. "Apostoli" Bipolar Intrauterine Electrode, Platinum Contacts.....Price, \$8 00

59. Martin's Abdominal Membrane Electrode..... " 4 00

NOTE—At the close of a treatment this electrode should be placed on a folded towel, the water remaining in it, a few grains of bichloride of mercury being used as an antiseptic; removing the water and allowing the membrane to become dry, very quickly destroys it. If the damaged Electrode is returned to us, we will renew the membrane at a cost of 75 cents net. The cost of repairs must invariably accompany the order.



BACK.



FACE.

66. DR. P. S. HAYES' ABDOMINAL ELECTRODE—SPONGIO PILINE.

Price.....\$2 00

NOTE—This Electrode should be thoroughly saturated with water and placed over the abdomen upon a piece of chamois skin which has been soaked in warm water.

See page 400.

SEND FOR COMPLETE ELECTRO-THERAPEUTICAL CATALOGUE.



McINTOSH ELECTRODES.

We have no objection to meeting honorable competition, but when the physician is informed that the clumsy counterfeit offered to him is "As good as" and "Cheaper than" the McIntosh article, we ask him to consult our catalogue and compare our prices.

The McIntosh Battery & Optical Co. manufacture the largest assortment and the most approved forms of electrodes. Their prices are lower than those of any other manufacturer.

Send for their complete Electro-Therapeutical Catalogue.

VALUABLE ELECTRODES FOR RECTAL, VAGINAL AND UTERINE TREATMENT.



5. Ball Rectal Electrode (insulated).....Price, \$1 25



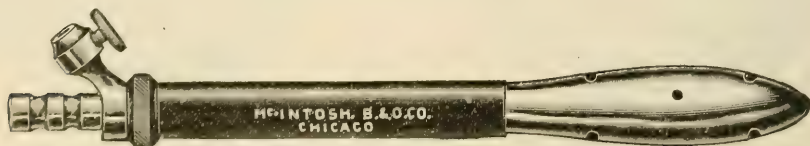
6. Rectal Electrode, nickel-plated.....Price, \$1 00



7. Rectal Electrode, insulated with Polished Hard Rubber.....Price, \$2 00



53. New Style Rectal Electrode, insulated.....Price, \$2 50



67. Syringe Rectal Electrode.....Price, including Capote, \$5 00

This very valuable electrode is intended to be used in connection with a Capote, thus permitting the application of heat by warm water or any desired medicament to the mucous membrane, as also of such distension of the organ as may be desirable.

This Electrode is also admirably adapted for vaginal treatment.

See page 400.



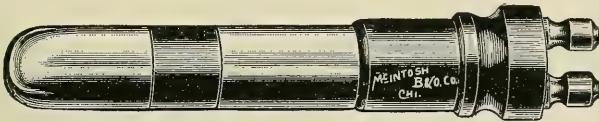
McINTOSH ELECTRODES.



9. Vaginal Electrode, nickel-plated.....Price, \$1 25



10. Vaginal Electrode, insulated with Polished Hard Rubber.....Price, \$2 50



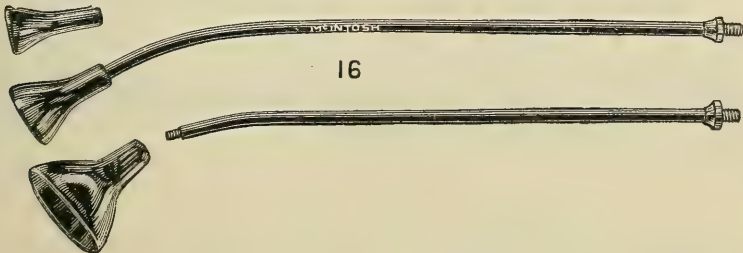
42. Vaginal Electrode for both currents, insulated in the center.....Price, \$4 00



43. Vaginal Electrode for both currents, insulated in halves.....Price, \$4 00



68. Curved Vaginal Electrode, insulated.....Price, \$2 50



16

16. Cup-Shaped Electrode for Uterus, three sizes, insulated.....Price, each, \$2 00
16. Cup-Shaped Electrode for Uterus, Cup only.....Price, each, 1 25

See page 400.

HAS TRUAX & GREENE & CO.

McINTOSH ELECTRODES.



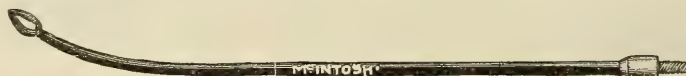
51. Uterine Electrode, with Cup and Stem, insulated... Price, \$2 50
 51. Uterine, Cup and Stem only... Price, 1 75



54. Double Uterine Electrode with Cup and Stem, insulated... Price, \$3 50



20. Spiral Flexible Uterine or Urethral... Price, \$1 00



21. Uterine or Urethral, insulated with Hard Rubber... Price, \$1 00



70. Assorted Olives, for No. 21 Electrode... Price, \$2 50



71. Assorted Olives, for No. 20 Electrode... Price, \$2 50

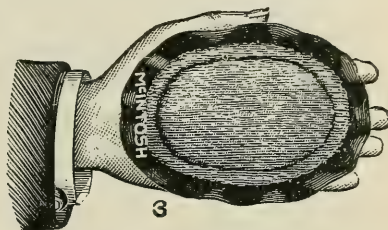


56. Dr. Rockey's Double Uterine Electrode... Price, \$5 00
 See page 400.

HAS TRUAX (TRY) GREENE & CO.
WHOLESALE, RETAIL, GENERAL, TRADING, MANUFACTURING, EXPORT, IMPORT, COMMISSION

McINTOSH ELECTRODES.

SPECIAL ELECTRODES FOR USE IN ELECTROLYTIC EPILATION.



No. 2. Needle Case.

Price, \$5 00

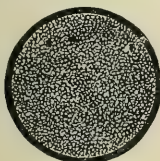
No. 3. Hand Sponge Electrode. Price, \$1 50



- | | |
|---|--------|
| C. Universal Cord Tip Connector, to connect cord tips of any battery with McIntosh Battery..... | \$0 25 |
| E. Universal Electrode Connector, to connect cord tips of any battery with McIntosh Electrodes..... | 25 |
| D. Double Connector for wires or cords..... | 25 |

- | | |
|---|----|
| E. Universal Electrode Connector, to connect cord tips of any battery with McIntosh Electrodes..... | 25 |
|---|----|

- | | |
|---|----|
| D. Double Connector for wires or cords..... | 25 |
|---|----|



Dr. McIntosh's New Carbon Electrode. Price per pair.....£3 00



Hard Rubber Needle Holder. Price.. ...\$1 50



No. 61. Hard Rubber Needle Holder with Interrupter. Price.....\$2 00



No. 72. Epilation Forceps, Price.....	\$0 40
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[illegible]

"	"	"	"	"		per doz.	1 00	2
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Improved Bulbous-pointed Needles.....	each,	20	2
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.....	per doz.,	2 40	2
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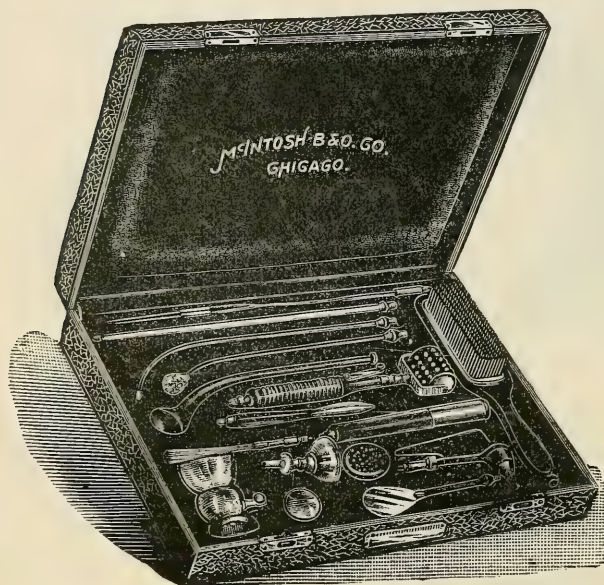
Iridio-platinum Needles for removing hair.....	each,	40	2
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See page 400.

SEND FOR COMPLETE ELECTRO-THERAPEUTICAL CATALOGUE.

HAS TRUAX & GREENE & CO.

McINTOSH ELECTRODES.



GENERAL ELECTRODE CASE, No. 1.

Price.....\$25 00

Our general electrode cases contain an assortment of electrodes, including those most frequently needed by the practitioner. Any special assortment can be furnished in case, to order.

CASE NO. 1 CONTAINS

O.	Wheel and Interrupting Handle.....	\$ 4 00
A.	Universal Sponge Holder.....	1 00
7.	Insulated Rectal Electrode.....	2 00
10.	Insulated Vaginal Electrode.....	2 50
14.	Insulated Tongue Plate.....	1 00
16.	Cup-shaped Uterine Electrode.....	2 00
17.	Metallic brush.....	75
20.	Spiral Flexible U. Electrode.....	1 00
21.	Inflexible U. Electrode.....	1 00
28.	Laryngeal Electrode.....	1 25
31.	Ear Electrode.....	2 50
34.	Eye Cup Electrode.....	2 00
35.	Hair Brush Electrode.....	2 00
49.	Two Needles and two-strand Holders.....	2 00
	Morocco-covered, Velvet-lined Case.....	5 00



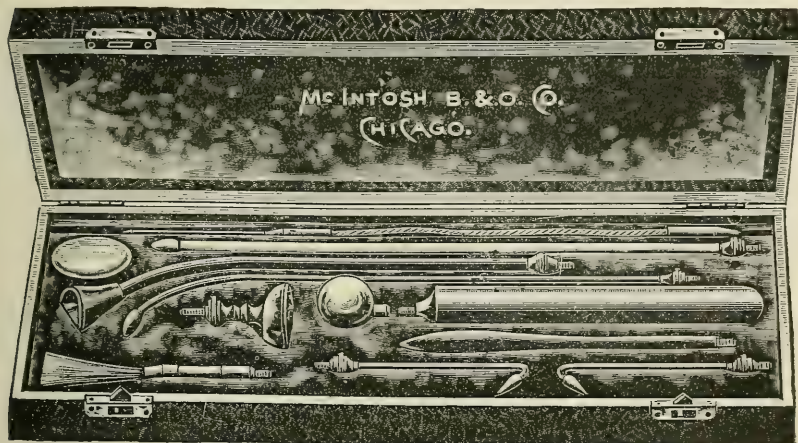
UTERINE DILATOR CASE.

Price.....\$8 00

See page 400.



McINTOSH ELECTRODES.

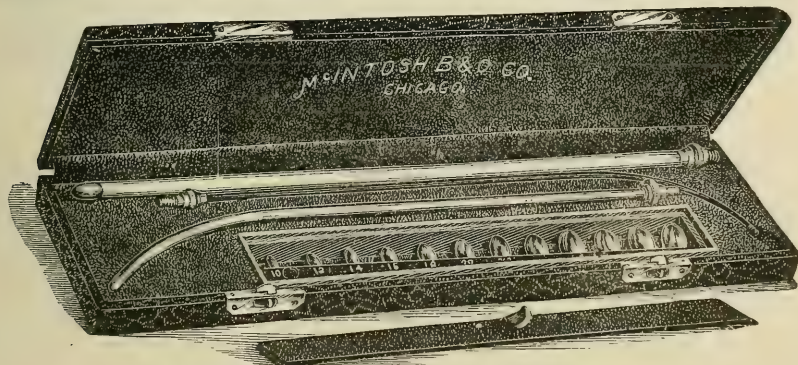


GENERAL ELECTRODE CASE NO. 2.

Price.....\$12 50

CASE NO. 2 CONTAINS

A, Universal Sponge Holder.....	\$1 00
6, Small Rectal Electrode.....	1 00
9, Vaginal Electrode.....	1 25
21, Urethral, Insulated.....	1 00
16, Cup-shaped Uterine Electrode.....	2 00
17, Metallic Brush.....	75
20, Spiral Flexible U. Electrode.....	1 00
26, Duchenne's Points, one pair.....	2 50
32, Ball Electrode.....	50
33, Disc Electrode.....	40
49, One Needle and Holder.....	1 15
Morocco-covered, Velvet-lined Case.....	4 00



GENITO-URINARY ELECTRODE CASE.

Price.....\$7 00

This case contains metallic sound, flexible and inflexible urethral electrodes and one dozen olives, numbered from 10 to 32, French scale, all contained in a velvet-lined morocco case, 12 inches long, 3¼ inches wide.

See page 400.

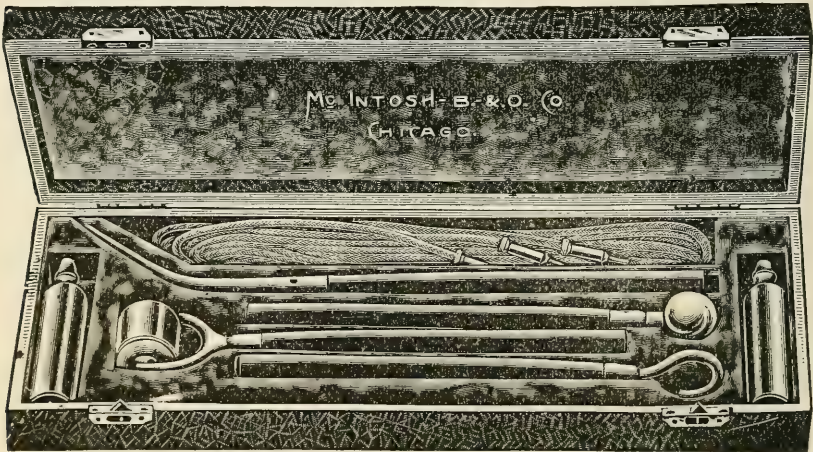


McINTOSH ELECTRODES.



THE McINTOSH ELECTRO MAGNET.

Complete, with extra stylet and cords, in velvet-lined morocco case. Price.....\$10 00
 Price, with No. 1 Grenet cell..... 12 00



STATIC ELECTRODE CASE.

This case contains one pair static cords and handles, one static point electrode, one roller, one hook and one ball electrode. Price.....\$13 50
 Insulating Platform, carpeted, 21x27 inches, with hard rubber insulators..... 8 00
 8. Static Crown for head breeze (nickel-plated with chain)..... 2 00

ATKINSON'S ELEMENTS OF STATIC ELECTRICITY.

Price by mail postpaid, \$1.50.

This very valuable little work by Philip Atkinson, M. A., Ph. D., will be found well worthy of careful study, by those persons who desire to acquaint themselves with the principles of the science as well as by students of science who desire to refresh their memory of the work of by-gone years in the class-room or laboratory.

See page 400.

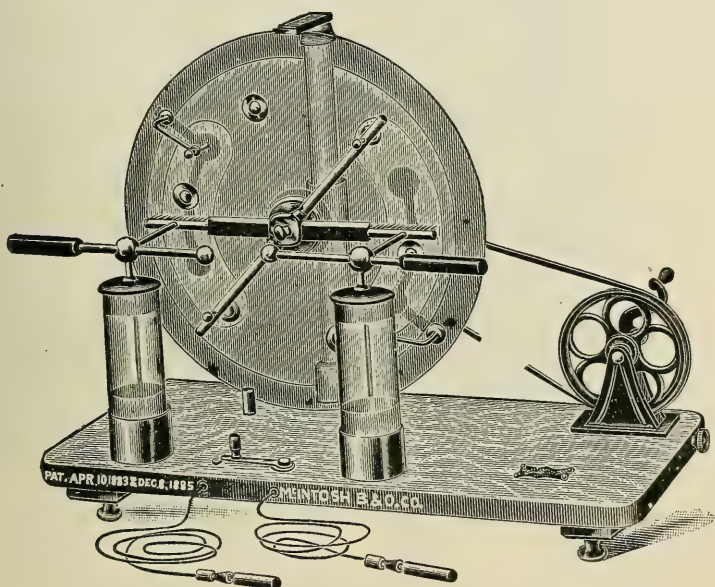
SEND FOR COMPLETE ELECTRO-THERAPEUTICAL CATALOGUE.



McINTOSH STATIC MACHINES.

The value of "Franklinic" electricity as a therapeutic agent is now so well established that the day is not far distant when every electro-therapeutist will consider a good static machine as among the indispensable adjuncts of his armamentarium.

The difficulties in the way of the ready adaptability of this valuable healing agent have been overcome by the McIntosh Battery and Optical Company in the manufacture of the Atkinson-Toepler Electric Machine, under the A. Atkinson patents of April 10, 1883, and December 8, 1885. This is the only static machine which does not require an "initial charge," or other coaxing, to bring it into action. Let the operator turn the crank; the machine will "do the rest." The best! The cheapest!



ATKINSON'S IMPROVED TOEPLER ELECTRIC MACHINE.

Please remember that every genuine machine is stamped "Atkinson's Patent," April 10, 1883, and December 8, 1885.

The McIntosh Battery and Optical Company are the sole owners of the "Atkinson Patents," and we shall prosecute any party or parties found infringing our vested rights.

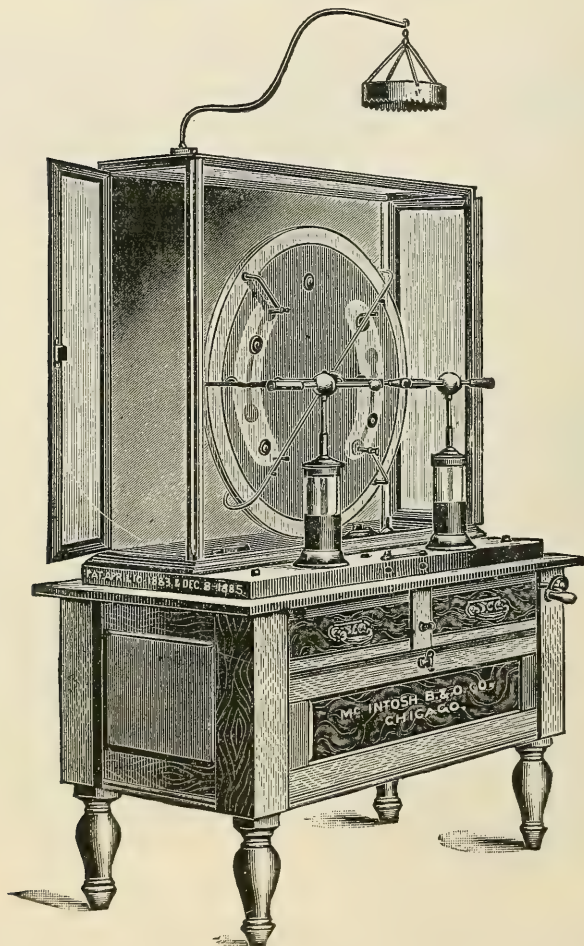
Price of Atkinson's Toepler Electric Machine, without glass case :

Machine with Two Glass Plates, 16 and 18 inches in diameter.....	\$ 60 00
Machine with Four Glass Plates, 16 and 18 inches in diameter.....	100 00
Machine with Two Glass Plates, 25 and 28 inches in diameter.....	125 00
Machine with Four Glass Plates, 25 and 28 inches in diameter	200 00

See page 400.

HAS TRUAX & GREENE & CO.

McINTOSH STATIC MACHINES.



ATKINSON'S TOEPLER ELECTRIC MACHINE.

WITH GLASS PROTECTING CASE.

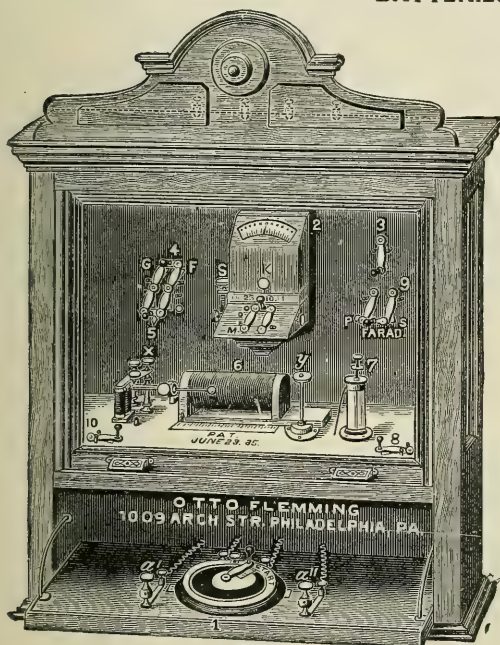
Price of 4-Plate Atkinson-Toepler Electric Machine, as shown in above cut, without attachment for Electric Motor.....	\$360 00
Price as above with attachment for Electric Motor.....	325 00
Price, including $\frac{1}{8}$ H. P. Motor, for use either with Battery or Incandescent circuit, 370 00	
Price, including 6-volt, 150-Ampere Storage Battery to operate above.....	445 00
Price, including 24 Hussey Patent Blue Stone Batteries to charge above Storage Battery.....	481 00

See page 400.

SEND FOR ELECTRO-THERAPEUTICAL CATALOGUE.

FLEMMING'S

LATEST IMPROVED ELECTRO-THERAPEUTIC APPARATUS AND BATTERIES.



No. 1. Fleming's Electro-therapeutic-gynecological Wall Cabinet comprises the following accessories, aiding in eliciting or modifying galvanic or Faradic currents, or both currents combined, at pleasure.

Fig. 1. The Massey-Flemming Current Controller, for varying the galvanic current derived from any kind of battery cells or from an incandescent light circuit at will, by rapidly increasing or decreasing the resistance in the circuit and without interruptions.

Fig. 2. The Fleming Mill-am-meter, for measurement of the current passing through the patient.

Fig. 3. Mill-am-meter Switch.

Fig. 4. The "De Watterville" Current Combiner, for selecting the use of either galvanic or faradic currents or both conjointly.

Fig. 5. The Commutator (or pole changer.)

Fig. 6. The "Dubois-Raymond" Induction Coil, with rapid and slow interrupters and graduator.

Fig. 7. The Liquid Rheostat, for varying and softening faradic currents.

Fig. 8. The Switch, for omitting or including the liquid rheostat.

Fig. 9. The Double Switch, for selecting either primary or secondary faradic currents.

Fig. 10. The Single Switch, for starting or stopping the currents on the faradic coil and the two terminal posts a', a". Price, complete, without any cells...\$125 00

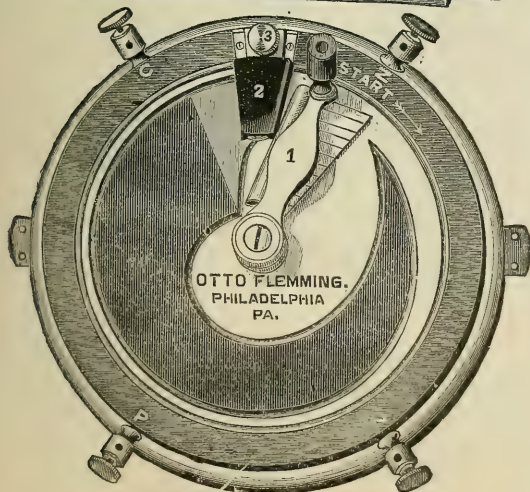
See page 400.

Cells furnished on special quotation.

No. 2 The Massey-Flemming Current Controller may be used in connection with or without the Mill-am-meter for varying the current of any number of cells, or for modifying the current of an incandescent light circuit for therapeutic applications, but is not serviceable in using that current for actual cautery.

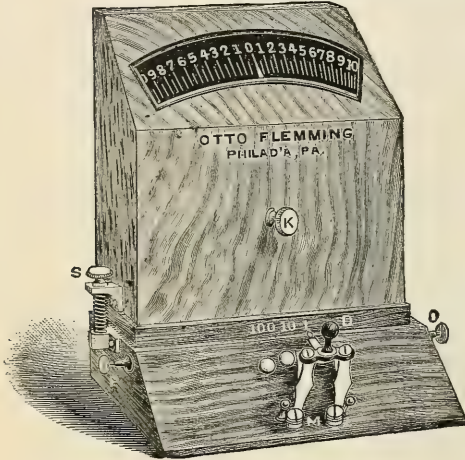
Price \$10 00

See page 400.



HAS TRUAX & GREENE & CO.

FLEMMING'S BATTERIES.



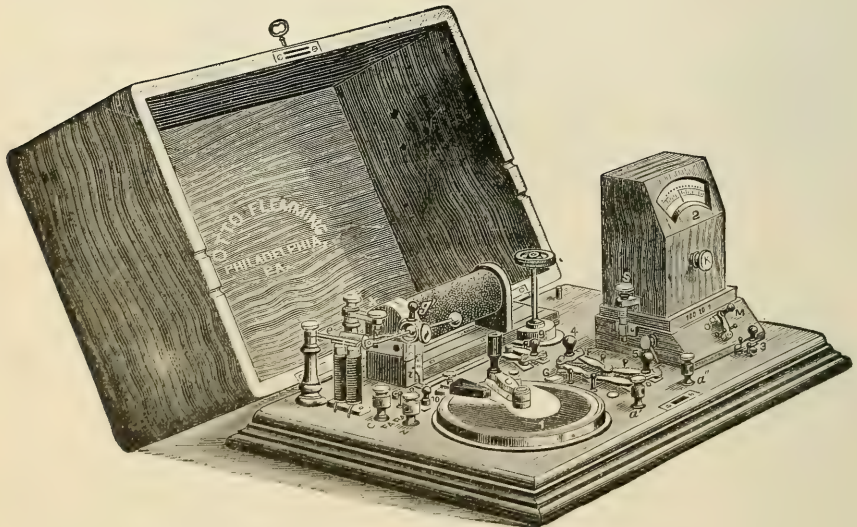
No. 3. Fleming's Mill-am-meter,
measuring capacity from $\frac{1}{2}$
to 1000 M. A. \$25 00
See page 400.

No. 4. De Watteville's Current
Combiner and Commutator. 10 00
See page 400.

No. 5. Current Controller and Mill-
am-meter, mounted on Pol-
ished Walnut base. 40 00
See page 400.

No. 6. Current Controller, Mill-
am-meter and Dubois-Ray-
mond Induction Coil,
mounted conjointly. 70 00
See page 400.

Polished Walnut Cover, extra. ... 5 00
See page 400.

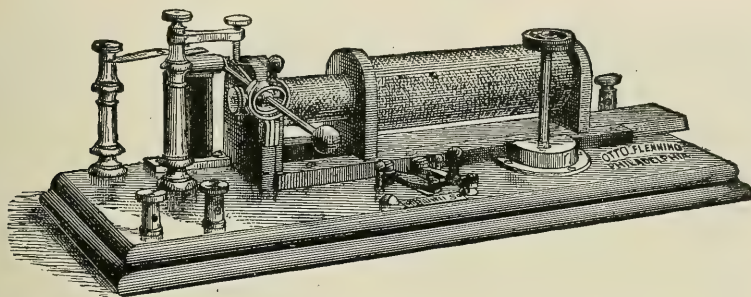


No. 7. Electro-Therapeutic Table Plate, comprising Current Controller, Mill-
am-meter, De Watteville Current Combiner, Commutator, Dubois-Raymond
Induction Coil, with rapid and slow Interrupters, Switches and Binding
Posts. \$80 00 See page 400

No. 8. The same apparatus, including Walnut Cover. 85 00 " 400

HAS TRUAX & GREENE & CO.

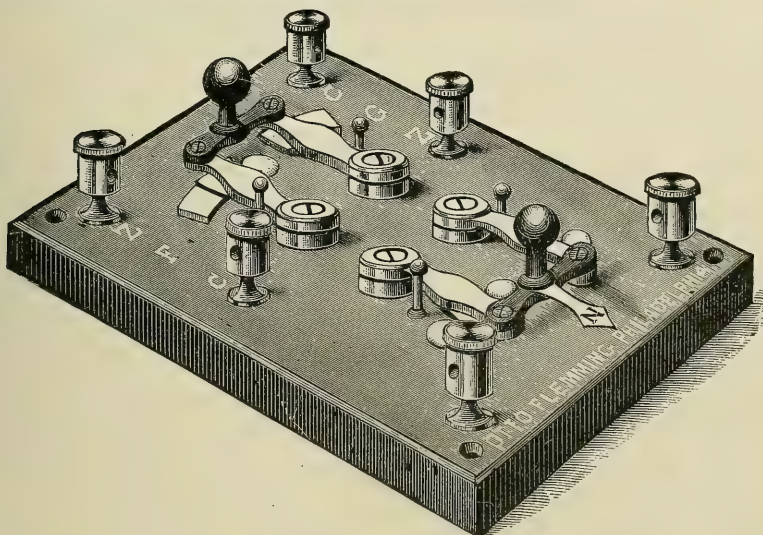
FLEMMING'S BATTERIES.



No. 9. Fleming's modification of Dubois-Raymond Induction Coil is well known as a superior apparatus for the production of faradic currents. It is provided with his original devices for controllable and rhythmical current interruptions, of valuable use in muscular contractions, and his original rack and pinion device for regulating the current strength, also with a commutator governing scales and cell switch. Almost any kind of battery will work it.

Size of base 16x8 inches.

Price, without cells.....	\$30 00	See page 400
Price, with one Grenet cell.....	35 00	" 400
Price, with two Axo Gonda cells.....	32 00	" 400



No. 10. Fleming's modification of "De Watteville" Current Combiner and Commutator is a convenient arrangement of switches for the simultaneous administration of galvanic and faradic currents whenever both of these currents are useful; a simple move of switches will enable the operator to use each current independent of the other. The lower double switch is the Commutator, or pole changer, with index N always pointing towards the negative pole.

Price.....	\$10 00	See page 400
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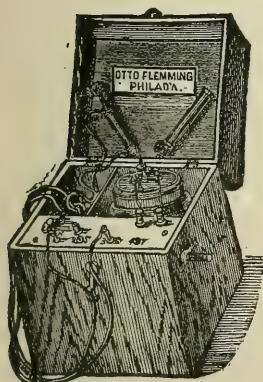
HAS **TRUAX** **GREENE** & CO.

FLEMMING'S BATTERIES.



No. 14. Fleming's Improved Portable Galvanic Physicians' Batteries, with or without the combination of a faradic coil. The number of cells of this style of Battery are divided into sections of six or twelve.

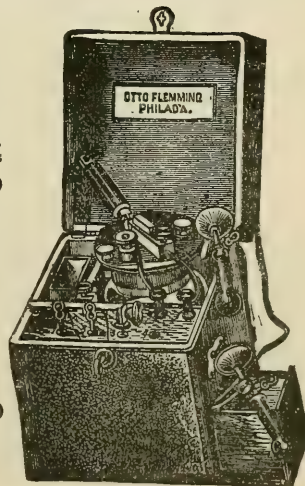
FLEMMING'S PORTABLE FARADIC (INDUCTION) BATTERIES.



No. 15. No. 00 Faradic Battery.

No. 00. Faradic Battery, brass finish, shellaced case, cotton-covered conducting cords, one pair of tubular tin handles, gives a good current... **\$10 00**
 Price to Patients
 See page 400.

No. 0. Faradic Battery, nickel-plated, polished case, with carrying handle, cotton-covered conducting cards, one regular applying sponge electrode and one tubular tin handle... **12 00**
 See page 400.



No. 16. No. 0 Faradic Battery.

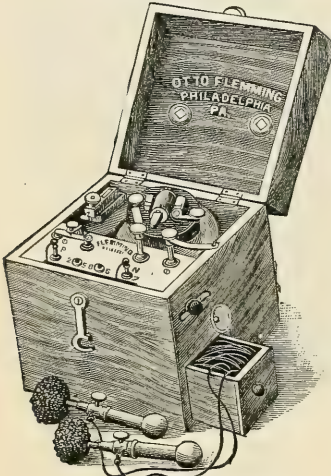
	Price to Patients
6-cell galv. battery, simple	\$20 00
6-cell galv. battery comb., rapid interrupter	30 00
6-cell galv. comb., rapid and slow interrupter	33 00
12-cell galv. battery, simple	30 00
12-cell galv. battery comb., rapid interrupter	40 00
12-cell galv. battery comb., rapid and slow interrupter	48 00
18-cell galv. battery, simple	40 00
18-cell galv. battery comb., rapid interrupter	50 00
18-cell galv. battery comb., rapid and slow interrupter	58 00
24-cell galv. battery, simple	55 00
24-cell galv. battery comb., rapid interrupter	67 00
24-cell galv. battery comb., rapid and slow interrupter	75 00
30-cell galv. battery, simple	65 00
30-cell galv. battery comb., rapid interrupter	77 00
30-cell galv. battery comb., rapid and slow interrupter	85 00
36-cell galv. battery, simple	75 00
36-cell galv. battery comb., rapid interrupter	87 00
36-cell galv. battery comb., rapid and slow interrupter	95 00

See Page 400.

HA TRUAX & CO GREENE

FLEMMING'S BATTERIES.

FLEMMING'S PORTABLE FARADIC (Induction) BATTERIES.



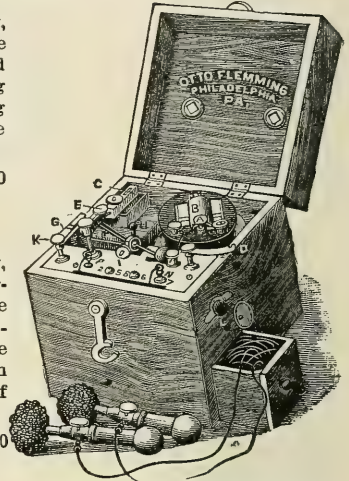
No. 17. No. 1 Faradic Battery.

No. 1 Faradic Battery, very much more complete than the former and highly finished, including silk-covered conducting cords and one pair of fine sponge electrodes.

Price to patients...\$15 00
See page 400.

No. 1 Faradic Battery, with rapid and slow interrupters, very complete and highly finished; especially adapted for the exercise of muscles in curing different forms of paralysis.

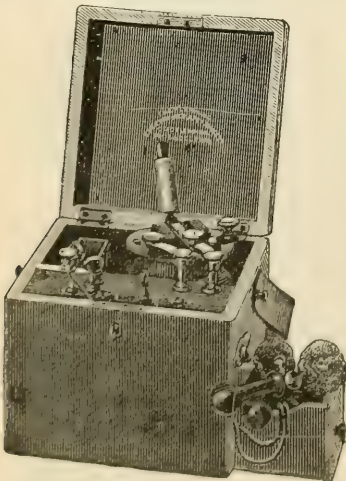
Price to patients...\$22 50
See page 400.



No. 18. No. 1 Faradic Battery With Rapid and Slow Interrupters.

No. 2 Faradic Battery, finely finished; coil one inch longer and more powerful, but with rapid vibrator only. In addition to its completeness it is provided with a Commutator or pole changer. Price to patients \$20 00 See page 400

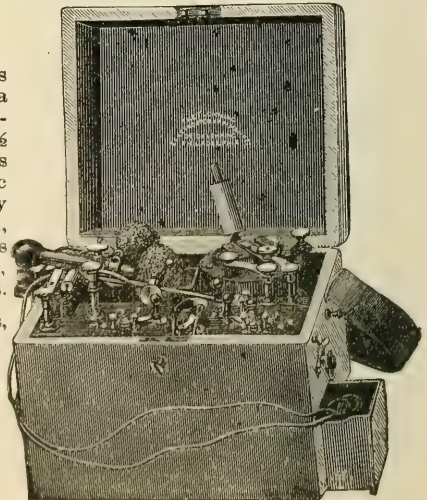
No. 3 Faradic Battery. This Battery is the finest and most complete of its kind ever manufactured. It is provided with a slow and a rapid Rheotome, or current interrupter; a Commutator, or polarity changer; Scales, by which the primary and secondary currents may be graduated to the utmost delicacy or the greatest power; and with our new patent Galvanic Cell. This cell, when charged, is so made that when not in action the zinc is taken out of it altogether and placed in a Hydrostat, making the cell perfectly fluid-tight and saving both the fluid and the zinc from the effect of splashing in transportation, or of immersion in case of upsetting. By this plan also the cell can be filled nearly to the top and the zinc be made twice the usual length; it will thus produce a stronger current and last a longer time.



No. 19. No. 2 Faradic Battery.

This Battery is enclosed in a handsome walnut case, $7\frac{1}{4} \times 7\frac{1}{2} \times 8\frac{1}{2}$ inches, has all its metallic parts finely nickel-plated, and weighs when charged, only ten pounds.

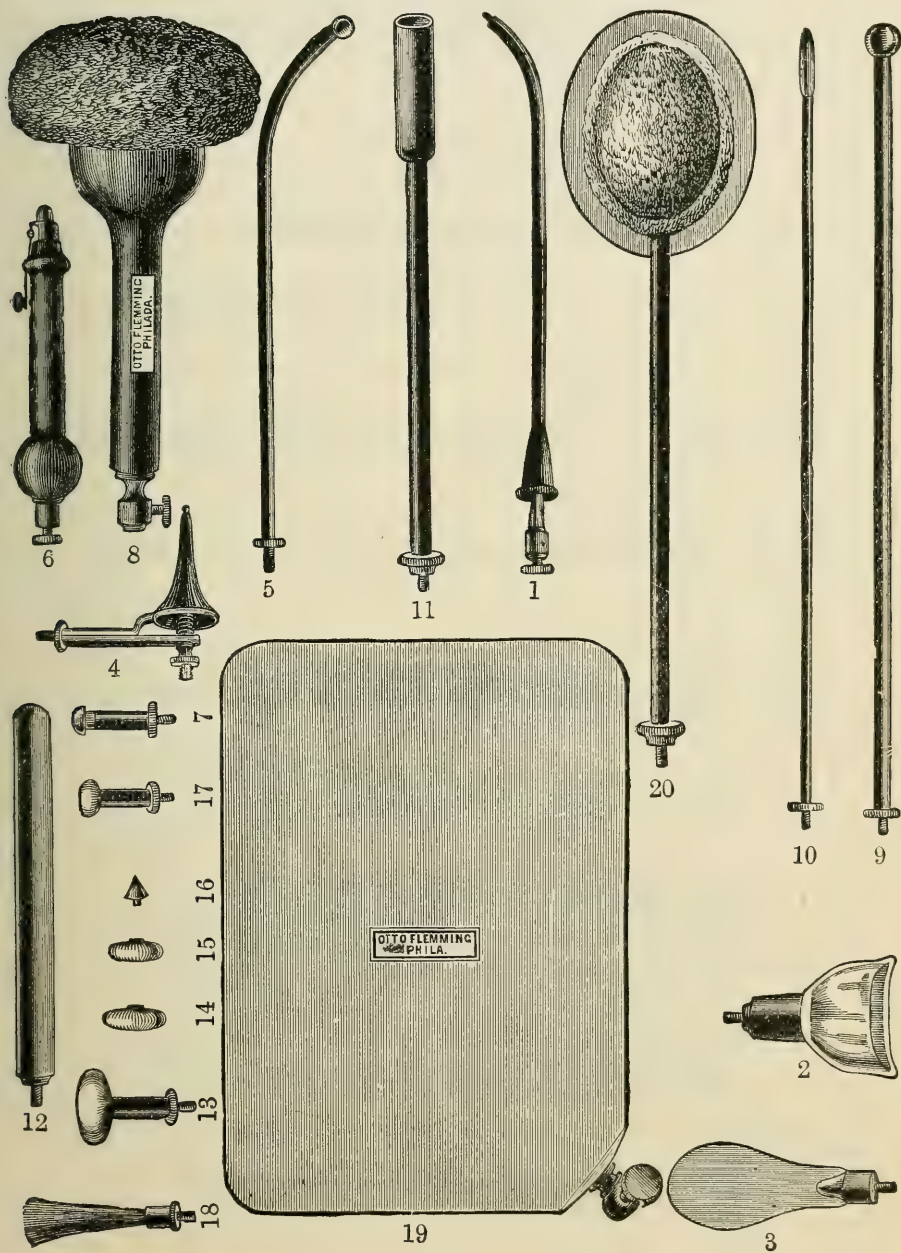
Price to patients, \$30.00.
See page 400.



No. 20. No. 3 Faradic Battery.

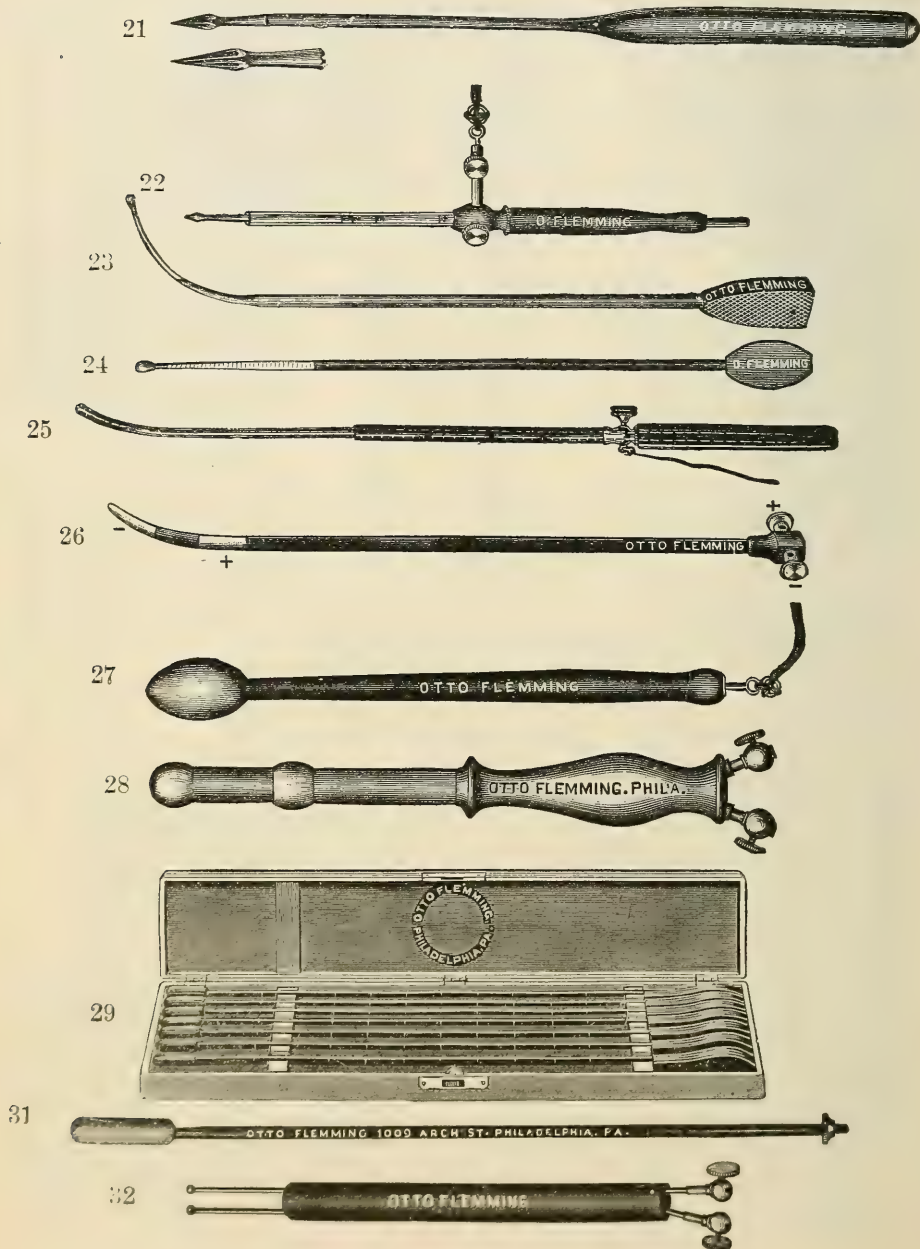
HAS **TRUAX** *TRU* **GREENE & CO.**

FLEMMING'S ELECTRODES.



HAS TRUAX (TRY) GREENE & CO.
TRADE MARKS, PATENTS, REGISTERED PATENTS, TRADE MARKS
NEW YORK, N. Y. 100

FLEMMING'S ELECTRODES.





FLEMMING'S BATTERIES.

FLEMMING'S ELECTRODES,

FOR VARIOUS APPLICATIONS IN ELECTRO-THERAPEUTICS AND GYNECOLOGY.

(For cuts see numbers of next pages.)

LIST PRICES; FOR DISCOUNT SEE PAGE 400.

1. Laryngeal	\$2 00
2. Eye.	2 00
3. Tongue.....	75
4. Ear	2 00
5. Nasal	1 00
6. Interrupting handle.....	1 50
7. Special nerves	75
8. Large sponge	1 00
9. Uterine and rectum.....	1 25
10. Urethral.....	1 2
11. Cup-shaped, for os uteri	1 50
12. Vaginal.....	1 50
13. Sympathetic nerve	1 00
14. 15 and 16. Olives, points, &c.....	75
17. Carbon.....	1 00
18. Wire brush.....	75
19. Footplate.....	75
20. Spinal	1 50
21. Massey's fibroid spear of platinum or gold (suitable for the positive pole).....	6 00
22. Apostoli's fibroid spear of platinum with moveable sheath of Glass or Rubber..	7 00
23. Massey's monopolar rigid intra-uterine electrode of platinum.....	8 00
The same of nickel-plated copper.....	1 50
24. Massey's monopolar flexible intra-uterine electrode of platinum.....	9 00
The same of plated copper.....	2 50
25. Apostoli's monopolar intra-uterine electrode of platinum.....	9 00
The same without handle.....	8 00
(This electrode is made interchangeable with Apostoli's spear, so that one handle will suit both.)	
26. Apostoli's bi polar intra-uterine electrode, both poles of platinum.....	10 00
The same, with one pole of platinum.....	8 00
The same, both poles of nickel-plated copper.....	4 00
27. Massey's monopolar vaginal electrode, in 3 sizes, $\frac{1}{16}$, $\frac{3}{16}$ and 1 inch, each.....	2 00
28. Massey's bipolar vaginal electrodes.....	4 00
29. Apostoli's bulbous carbon electrode, for superficial cautery in bleeding fibroids, per set of seven	12 00
Single electrodes, each.....	2 00
30. Gauge drawn to full size, with numbers designating the diameter of each carbon olive in millimetres.....	2 00
31. Hinsdale's rectal electrode.....	2 00
32. Keen's cerebral electrode.....	3 50



FLEMMING'S BATTERIES.

FLEMMING'S CAUTERY BATTERIES.

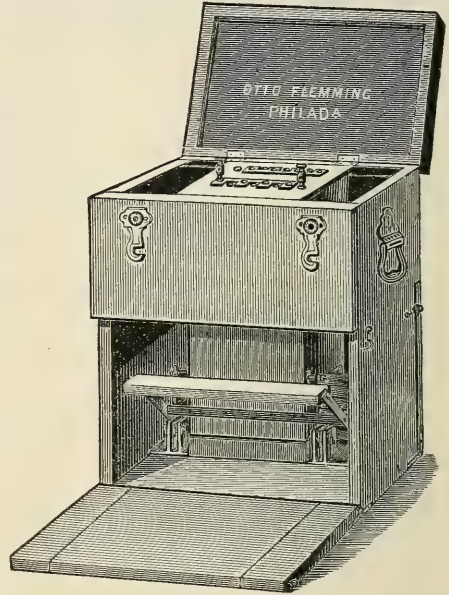
SINGLE-CELL CAUTERY BATTERY.

(FOR OFFICE USE.)

Consisting of one system of 10 pairs zinc-carbon plates, and a treadle arrangement by means of which the rubber cell (containing 3 quarts of bi-chromate solution) is raised or lowered.

Price of single-cell Cautery Battery,
including conducting cords.....\$30 00
See page 400.

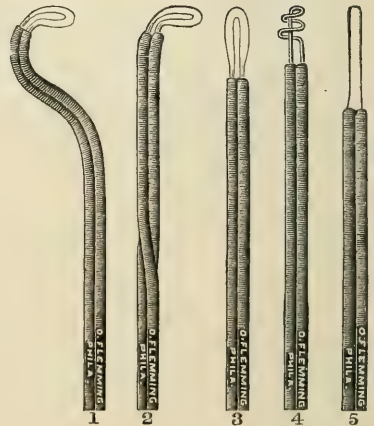
The same, provided with a Commutator
for converting the Cautery into a 10-
cell continuous Galvanic Current
Battery 50 00
See page 400.



No. 21



No. 22



Plain cautery handle with circuit closer and Dr. Harrison Allen's set of Naso Pharyngeal Cautery instruments.

Cautery handle, single.....	\$ 5 00	See page 400
" " with one instrument.....	6 00	400
Each additional instrument.....	2 00	400
Full set of handle and 5 instruments.....	14 00	400

CHAS. TRUAX & CO. GREENE

FLEMMING'S CAUTERY BATTERIES.

No. 23. Double-Cell Cautery Battery (for office use) consisting of two systems of 10 pairs zinc-carbon plates each, with treadle, two rubber cells and conducting cords.

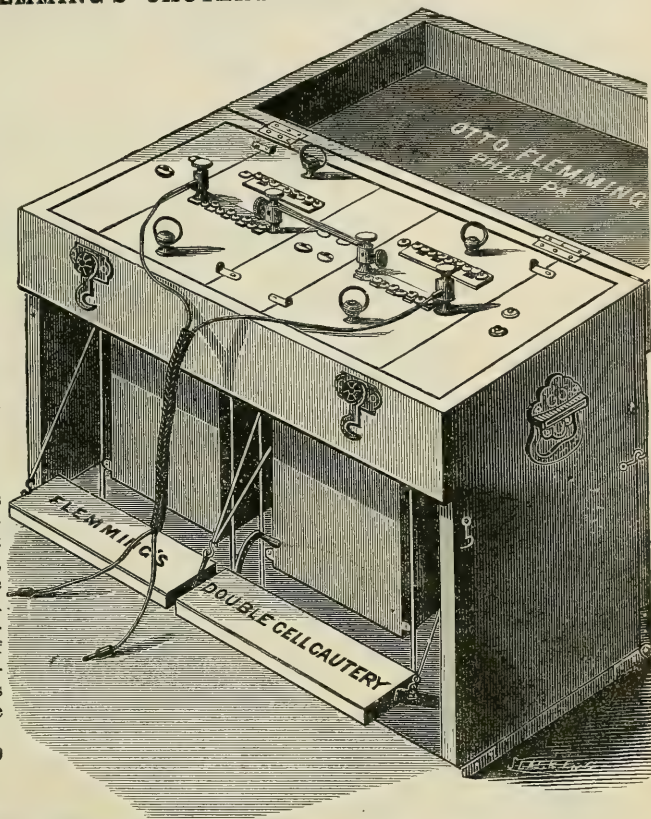
Price \$50 00

The same, provided with two Commutators for converting the Cautery into a 20-cell continuous Galvanic Current Battery
Price..... \$95 00

The Universal Battery of the same construction as the above double-cell Cautery, by means of two commutators serving as a Cautery, a 20-cell continuous galvanic-current battery of large quantity, and a first-class Faradic Battery of slow and rapid interruptions, with Cautery Cord, one pair of Cords and Sponge Electrodes for the Continuous Galvanic and Faradic currents.

Price \$120 00

See page 400.



No. 24. Cautery Instruments for Naso-Pharyngeal operations, consisting of:

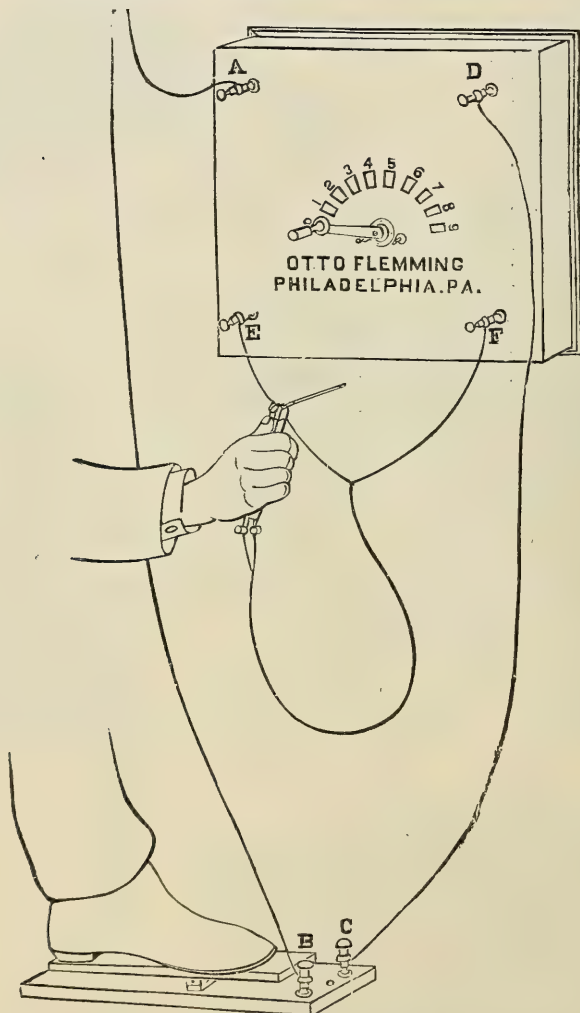
- | | |
|--|--------|
| The Universal Hard-Rubber Handle with Circuit Closer, to which any of the instruments below may be attached | \$5 00 |
| The short, straight Electrode or Knife, for use in the anterior part of nares | 2 00 |
| The Post-Nasal Electrode, for introduction behind the soft palate. | 2 00 |
| The long knife Electrodes for introduction through the nares to posterior ends of turbinated bones and pharynx | 2 00 |
| The Spiral or Moxa Electrode. | 2 00 |
| The sharp-pointed Electrode. | 2 00 |
| Dr. J. Sais-Cohen's Pharyngeal Electrode, to protect the vault of the pharynx | 3 50 |
| 1 set of 3 rubber Nasal Specula | 1 50 |
| Universal Rubber Handle with platinum wireloop and windlass (Ecraseur). | 10 00 |
| Price, Complete in Morocco Case | 25 00 |

See page 400.



HAS TRUAX & GREENE & CO.

FLEMMING'S ELECTRIC APPLIANCES.



No. 25. Cautery-Carbon-Rheostat and Pedal Rheotome for Use in Connection with the Wires of a 110-volt Incandescent Light Circuit.

The accompanying device represents a Cautery rheostat with pedal circuit-closer, for calling any incandescent light circuit into service for actual cautery operations.

By means of the rheostat, the proper degree of heat on the Cautery instrument being first ascertained and adjusted, and introducing the instrument cold, the current is then closed by the pedal rheotome.

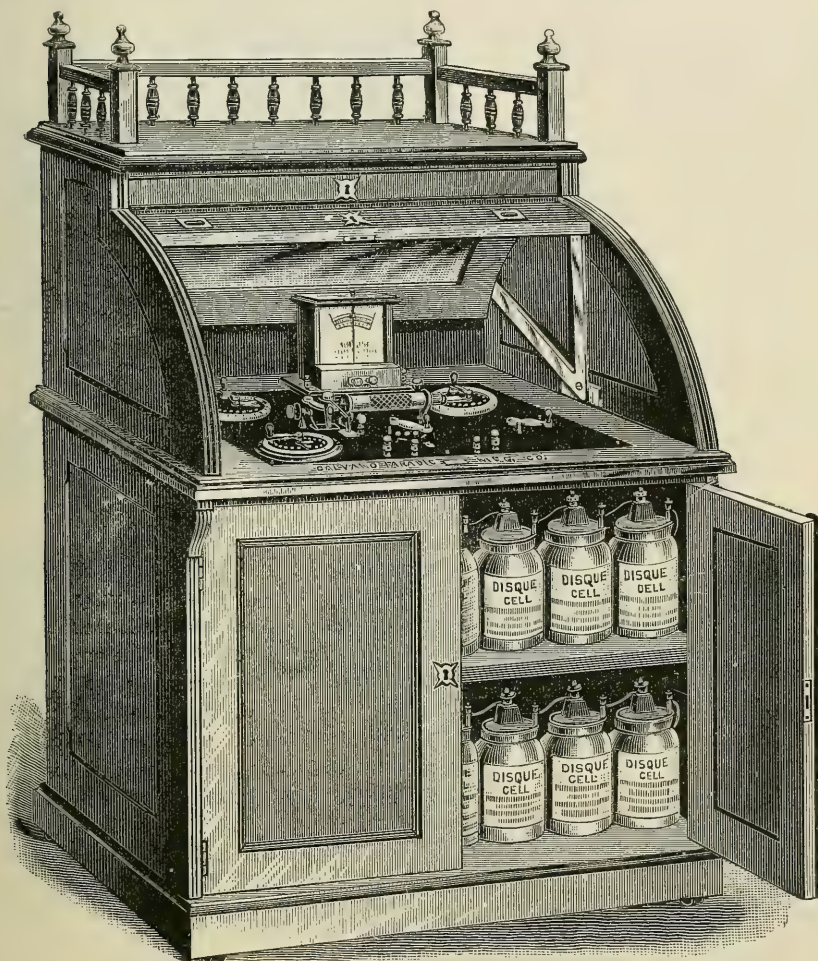
Price of the Cautery Rheostat and Pedal Rheotome, without any conducting cords. \$35 00
Conducting Cautery Cords. 2 00

See page 400.

DEvised BY
OTTO FLEMMING, MANUFACTURING ELECTRICIAN,
1009 Arch Street, Philadelphia, Pa.

HAS TRUAX & GREENE

GALVANO FARADIC M'FG CO'S BATTERIES.



CYLINDER TOP CABINET BATTERY.

Height, 54 inches.

Length, 39 inches.

Depth, 25 inches.

This Cabinet is furnished with forty cells of the "Fitch Perfect Battery." The accessories include a Dubois-Raymond Faradic Coil, with three interchangeable secondary coils of different sizes and lengths of wire; Milliammeter measuring from 1 to 500 M. A.; German Silver wire coil Rheostat with coils of from 5 to 5,000 ohms resistance, a total of 17,000 ohms; Automatic Rheotome, pole changer and double current selectors by means of which any cell or series of cells may be selected. All parts are nickel-plated and mounted on a polished hard rubber base. The case may be of oak or cherry as desired, is mounted on rubber tired wheels and has a cylinder cover with heavy glass front.

Price.....\$230 00 See Page 400

TRUAX & GREENE

GALVANO FARADIC M'F'G CO'S BATTERIES.

WALL CABINET BATTERY.

Height, 23 inches; width, 28 inches; depth, 8 inches.

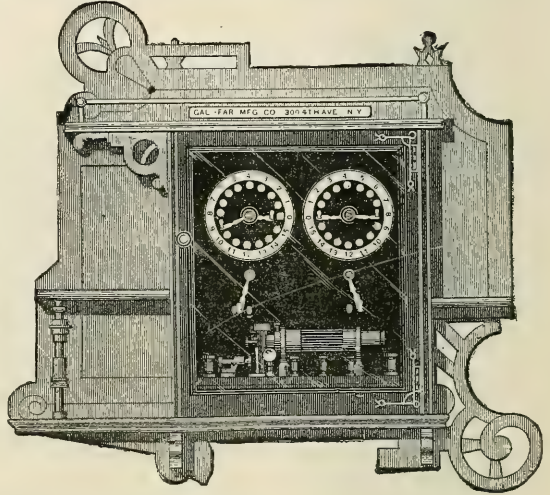
This is a complete and compact office battery, and an ornamental piece of furniture. It may be arranged for any number of cells.

The galvanic circles with double current selectors, by means of which any cell or series of cells may be used, pole changer, and faradic switch, are mounted on a vertical base of polished hard rubber 12x14 inches.

The faradic coil is placed on a horizontal base; it has primary and secondary coils, rapid vibrator and slow interrupter, and gives three variations of the current. This is furnished in a polished cherry or oak case, with beveled plate glass door.

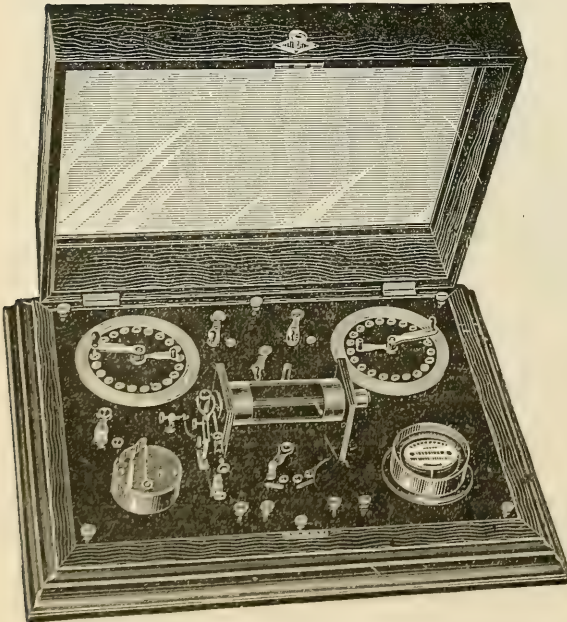
Price, without cells, \$50 00

See page 400.



OFFICE TABLE PLATE, "Style A."

(IN CASE.)



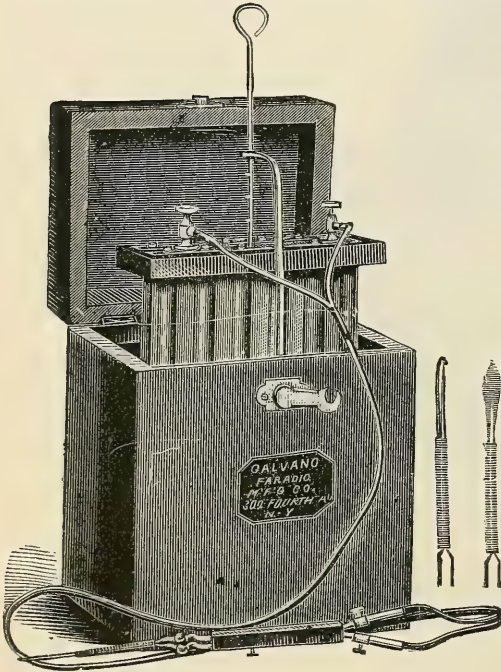
This is a very complete and convenient form of battery for office use. The accessories consist of Double Current Selectors; Pole Changer; a Dubois-Raymond Faradic Coil, with two interchangeable Secondary Coils, and having rapid and slow Vibrators; Faradic Switch; Milliammeter measuring to two hundred and fifty milliamperes, and an Automatic Rheotome giving graduated interruptions. All parts are nickel plated and mounted on a polished hard rubber base 15x20 inches. The case is of polished oak, and has a beveled plate glass cover.

We furnish this complete, with wires attached and marked ready to connect with the cells.
 Price.....\$100 00 See page 400



GALVANO FARADIC M'F'G CO'S BATTERIES.

"G. F." CAUTERY OUTFIT.



This Battery is intended for eye, ear, nose, throat and other minor cautery work. It is small and compact, can be carried about with the fluid in the cell without danger of spilling, and will fully meet the requirements of the specialist. The cut shows the elements (one large zinc and twelve carbons) suspended over the jar containing the fluid, the other jar serving as a drip-cup for the elements when not in use. The heat may be regulated by immersion.

We furnish with this battery:

- 1 Universal Handle with Current Breaker.
- 1 Pair Conducting Cords.
- 3 Platinum Instruments.

Price, complete, to patients\$26 00
Battery only 18 00

See page 400.

THE "G. F." CAUTERY BATTERY.

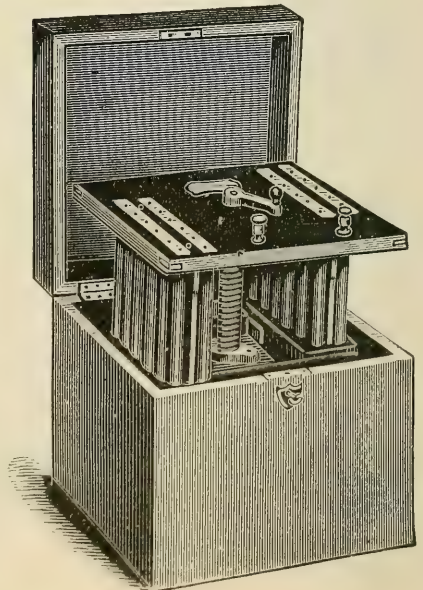
(DOUBLE ELEMENT.)

This Battery is intended expressly for office use, and will give a current of sufficient power to heat ordinary-sized electrodes or a loop. It will also light a four-volt incandescent lamp. The heat is regulated by immersion, the elements being arranged to raise and lower by means of a coarse-threaded screw. When necessary to close the cover, the base holding the elements is given a quarter turn and lowered into the drip-cells.

Furnished in a black walnut case, with heavy conducting cables.

Price, to patients.....\$30 00

See page 400.



HAS **TRUAX** *TRUAX* **GREENE** *& CO.*

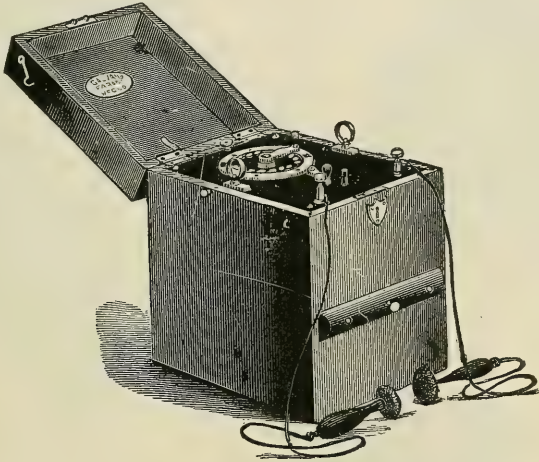
GALVANO FARADIC M'F'G CO'S BATTERIES.

GALVANIC BATTERIES

(IN PLAIN CASES.)

These Batteries are constructed on the same principle as our other batteries. While they are not equal in finish, they are well made, durable and reliable, and will meet the requirements of the physician who wants a good battery at a low price.

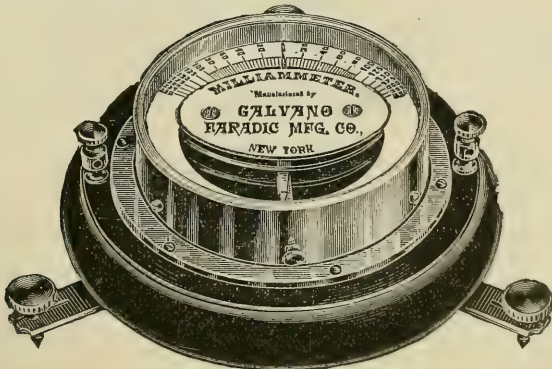
Furnished in black walnut cases with handles, cords and sponge-covered metallic disks.



10-Cell Battery	Price to patients, \$20 00	See page 400
20 " "	" " 30 00	" 400
30 " "	" " 40 00	" 400

HORIZONTAL MILLIAMMETER.

This is a desirable form of meter, measuring from one to two hundred and fifty milliamperes. It is provided with leveling screws and the case is made to revolve so that the needle may be easily and quickly adjusted to zero.

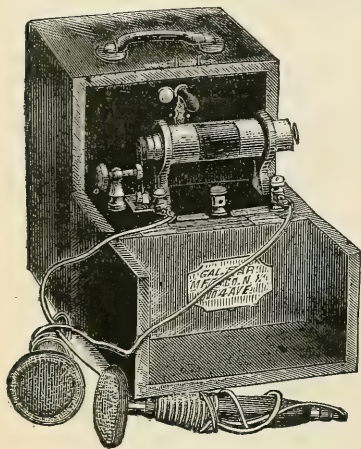


Price.....	\$20 00	See page 400
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HAS TRUAX & GREENE & CO.

GALVANO FARADIC M'FG CO'S BATTERIES.

CLOSED CELL FARADIC BATTERY.



This is a very convenient form of battery for a physician or family use. It has the rapid vibrator, gives three variations of the faradic current, and is sufficiently strong for ordinary treatment.

The cell contains a solution of sal ammoniac and water, and is sealed so that the battery can be carried about without danger of leakage.

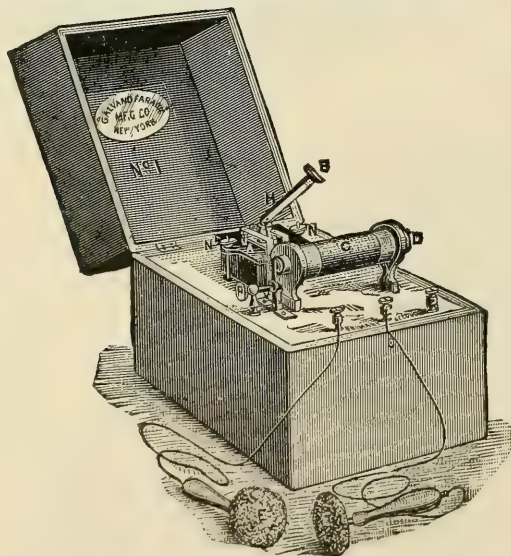
To start the battery into action, it is only necessary to change the switch from one button to another.

The battery will run for months without attention. The renewal of the solution and zinc is inexpensive.

Furnished in a polished oak or black walnut case, with handles, cords and sponge-covered metallic discs.

Price to patients.....\$12 00 See page 400

ELECTRO-MAGNETIC MACHINES.



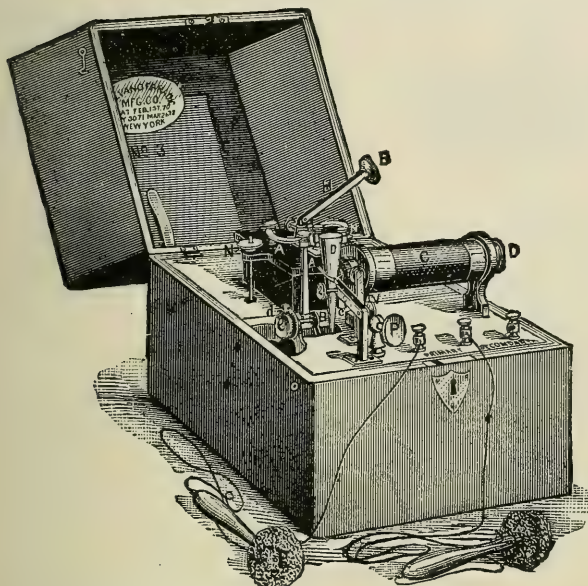
No. 1. Price to patients.....\$10 00 See page 400
No. 2. " " " " 15 00 " 400

The Nos. 1 and 2 Machines are especially adapted for family use, although frequently used by physicians as a visiting battery. They have the rapid vibrator by which the current is modified so as to seem almost continuous, and can be administered without pain. They have both primary and secondary coils, and give three variations of the current. Furnished in polished oak or black walnut cases, with handles, cords and sponge electrodes.

HAS TRUAX & GREENE & CO

GALVANO FARADIC M'F'G CO'S BATTERIES.

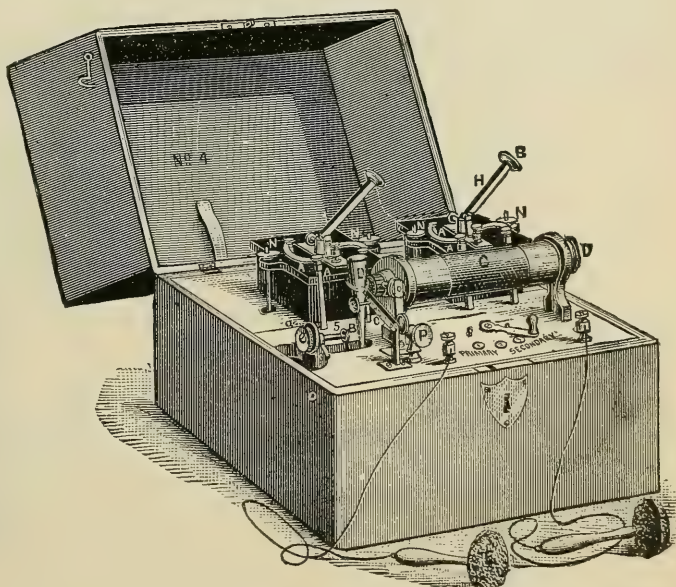
ELECTRO-MAGNETIC MACHINES.



The No. 3 Machine is more desirable for a physician. It has a large coil, gives three variations of the current and has both rapid and slow variations, the latter being valuable in producing muscular contractions. This can be regulated so as to give slow and distinct shocks as quick vibrations, at the will of the operator.

No. 3. Price to patients.....\$20 00 See page 400

The No. 4 machine is the best for physicians. It has two cells (acting independently) In case one becomes broken or exhausted the other is in reserve The two cells can be united when great power is required. This has very powerful primary and secondary coils, gives four variations of the current and has both rapid and slow vibrators. Furnished in polished oak or black walnut cases, with handles, cords and sponge electrodes.

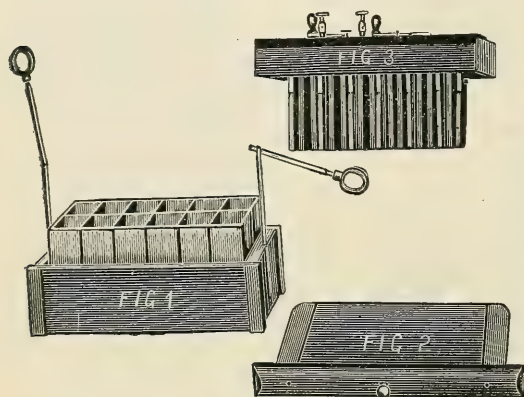


No. 4. Price to patients.....\$35 00 See page 400

HAS TRUAX & GREENE & CO.

GALVANO FARADIC M'FG CO'S BATTERIES.

DESCRIPTION OF GALVANIC BATTERIES.



In the bottom of the box is a movable tray in which the cells are placed. (See Fig. 1.) This tray is controlled by two hinged rods which are fastened to it, and these by two lifting rings at the ends of the rubber table.

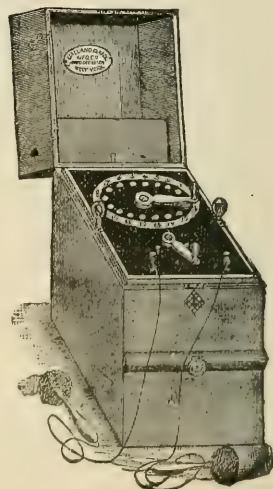
These rings, being screwed tightly down, hold the cells firmly against the hydrostat (See Fig. 2), or being loosened, allow the hydrostat to be removed from the front of the center of the box; they also serve as handles to lift the tray of cells.

The zinc and carbon plates are arranged in couples, and fastened to a

base under the rubber table. (See Fig. 3.) Wires connect the elements with the button within the circles on the rubber table, each button corresponding to a cell. These wire connections being incased, the fumes from the fluid cannot reach them; consequently no corrosion can take place, and the battery is always ready for use. To use the battery, draw out the hydrostat and raise the tray of cells, thus immersing the elements in the fluid. To bring any required number of cells into the circuit, turn the current selectors to the figures marked on the circles. Before the selector leaves one button it rests on the next, thus insuring a gradual increase of the current without the possibility of a shock. All of our Galvanic Batteries are provided with a commutator or polarity changer. The hydrostat is perfect, and these batteries can be carried about without danger of spilling the fluid.

PRICE LIST OF GALVANIC BATTERIES.

12-cells, to patients.....	\$30 00	See page 400
16-cells, "	35 00	" 400
24-cells, "	50 00	" 400
32-cells, "	60 00	" 400
36-cells, "	70 00	" 400

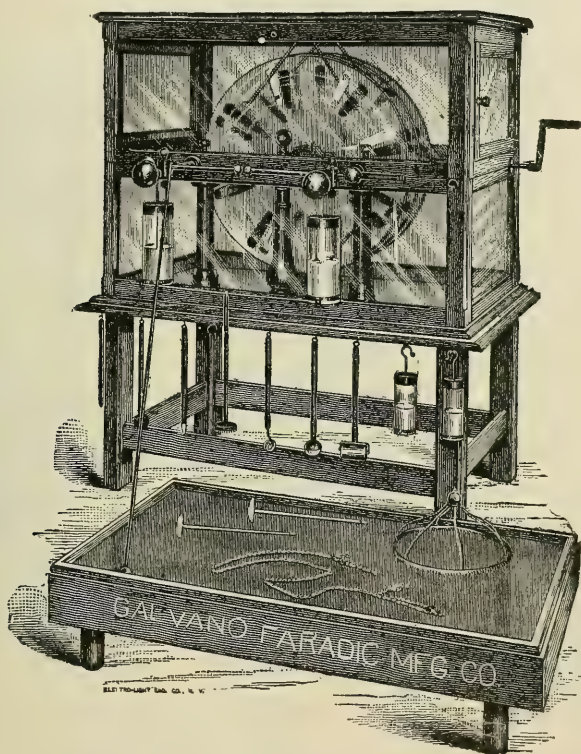




GALVANO FARADIC M'F'G CO'S BATTERIES.

IMPROVED WIMSHURST STATIC MACHINE.

Of all the various constructions of statical machines, this type is the most reliable. It can be started immediately and in any weather.



Furnished in handsome antique oak case, with six 27-inch revolving plates, three sets of Leyden jars with attachments for giving the induced current, insulated platform, connecting rod, crown for head breeze, and set of electrodes (shown on opposite page).

Height, 63 inches; length, 53 inches; width, including poles pieces, 44 inches.

Price, complete.....\$400 00 See page 400

These machines are shipped entire and ready for use.

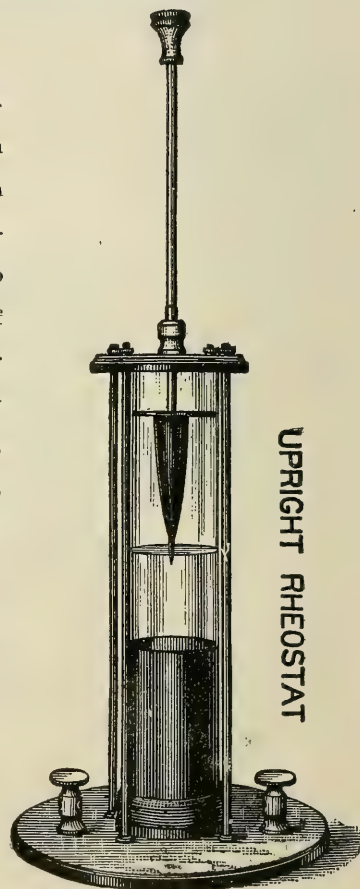
HAS TRUAX & GREENE CO.

GALVANO FARADIC M'F'G CO'S ELECTRIC APPLIANCES.

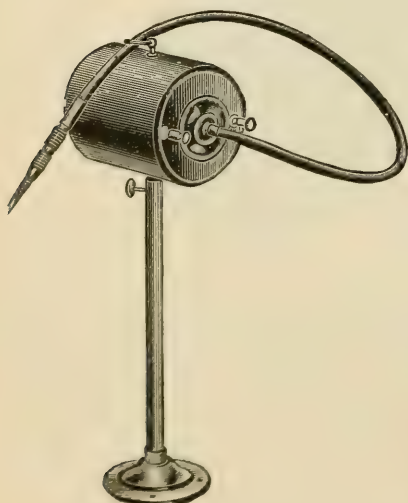
CRIADO RHEOSTAT.

This instrument is the only perfect current controller yet devised. It will work equally well in circuit with the Edison incandescent current or with any number of cells connected in series. The construction of this instrument is very simple. A cup of pure carbon fastened in the bottom forms one of the terminals, the other terminal being a tapering carbon rod fastened to a metal rod, and which may be gradually raised and lowered by means of a coarse threaded screw. There are no wires to get loose, and all danger of shock is avoided. The glass should be filled with water until it touches the small sponge on the end of the carbon rod when raised to the top.

Price.....\$10 00. See page 400



UPRIGHT RHEOSTAT



THE G. F. CO'S MOTOR. (4 Volts.)

This is the most desirable form of motor for Surgeons' and Dentists' use. It has no dead point and will start from any position. The parts are encased in a dust-proof cylinder, and oil holes are provided to admit of oiling without taking the motor apart. The motor is usually placed on a stand and is made to revolve with the least effort. It can, however, be suspended from an arm or bracket if desired. This is operated best with our No. 2 Storage Battery.

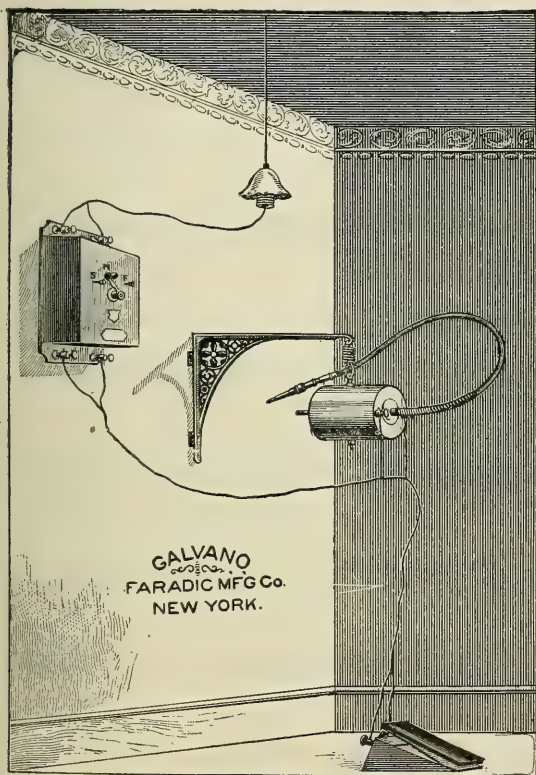
Price of motor, nickel-plated.....	\$25 00
Price of Stand, nickel-plated.....	5 00
Flexible Shaft and Hand Piece.....	15 00
Connecting Cords and Floor Push.....	5 00

See page 400.



GALVANO FARADIC M'F'G CO'S ELECTRIC APPLIANCES.

MOTOR AND RESISTANCE BOX.



In the illustration are shown our new Motor and Resistance Box, to be used with the Edison current (110 volts) for Surgical and Dental purposes. The cut shows clearly the manner of connecting; the Resistance Box fastened to the wall is connected by means of a suitable cable with the ordinary pendant, it only being necessary to take out the lamp and screw in the plug attached to the end of the cable. Another cable connects the Resistance Box with the Motor and Floor Push, and by pressure of the foot the motor is instantly started into action.

The Resistance Box is provided with a three-speed switch, and by a movement of the lever the Motor may be run at any speed.

The case is of polished oak, size $11 \times 6\frac{1}{4} \times 3\frac{1}{4}$, and all parts are nickel-plated. A more convenient and satisfactory outfit cannot be desired.

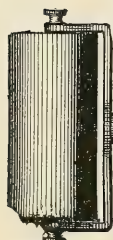
Price of Motor, nickel-plated.....	Net, \$25 00
Price of Resistance Box with cable.....	" 15 00
Price of Floor Push with cables.....	" 4 00
Flexible Shaft and Hand Piece.....	" 12 00

Nose and Throat Specialists who have the Edison incandescent light in their offices will appreciate the convenience of the outfit which the illustration fully describes.

GALVANO FARADIC M'F'G CO'S ELECTRODES.



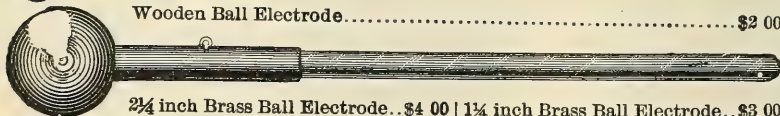
Sharp Brass Point Electrode \$3 00 | Chain Holder.....\$2 50
 Brass Chain, with Hooks (3 yds. long).....\$1 00



Spinal Roller Electrode.....\$5 50



Wooden Ball Electrode.....\$2 00



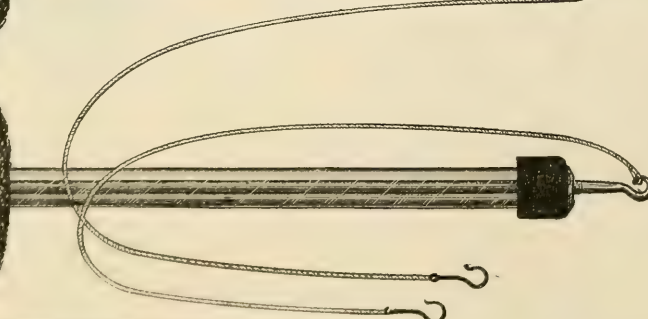
2 1/4 inch Brass Ball Electrode..\$4 00 | 1 1/4 inch Brass Ball Electrode..\$3 00



Spray Electrode.....\$4 50



Wooden Point Electrode.....\$1 75



Handles and Sponge Electrodes, with Conductors.....\$3 50
 Adjustable Connecting Rod 2 00

List Prices, for Discount see Page 400,



WAITE & BARTLETT MFG. CO., NEW YORK.

RANNEY CABINET.

Complete office cabinets and wall cabinet contain, for use of constant current, 40 cells of "Axo" Leclanche battery. The cells are the most perfect of their kind, and have stood the test of time and use, and are always furnished, unless some other form is specially desired by purchaser. The current selector is universal, and any cells from the entire series may be used, and thus a great saving of the battery, and uniform wear of same are obtained. It contains also an automatic rheotome, for giving interrupted galvanic currents. The polarity changer, or commutator, is of substantial make, has rubbing contacts, and keeps in order. The German silver wire rheostat has coils from 5 ohms to 5,000 ohms resistance each, the entire resistance of all the coils being 17,000 ohms, and by means of this rheostat and the milli-ampere meter the resistance of the patient's body may be measured, or the condition of the cells tested. The water rheostat is to be used to modify the current gradually. The cabinet also includes the Dubois-Raymond style of faradic apparatus. The secondary coil can be removed and coils of various sizes and lengths of wire may be used, and the various qualities of current obtained. It is provided with a slow and rapid rheotome, and also with a contact key, to be operated by the finger, a great help in diagnosis. The instrument, also, is furnished with our milli-ampere meter, for measuring the current strength. The case contains two small closets with bevel glass doors, two large drawers and a sliding shelf, available as a desk. The lower part has doors in the back, as well as in the front, making the cells accessible and easy of inspection. We append the names of a few of the prominent physicians using this form of instrument. We furnish with this apparatus an assortment of electrodes. With the Ranney Cabinet we furnish a set of Engelmann's coils.

THE FOLLOWING ARE THE NAMES OF A FEW OF THE PHYSICIANS USING OUR PERFECTED OFFICE CABINET.

U. S. MARINE HOSPITAL, New Brighton,
S. I.

N. Y. INFIRMARY, New York.

C. E. FISHER, M. D., Austin, Texas.

D. V. DEAN, M. D., St. Louis.

E. VAN DE WARKER, M. D., Syracuse.

C. E. RIGGS, M. D., St. Paul, Minn.

DRS. A. C. & L. R. WASS, Minneapolis.

N. S. LINCOLN, M. D., Washington, D. C.

E. G. ZINKE, M. D., Cincinnati, Ohio.

A. C. KEMPER, M. D., Cincinnati, Ohio.

G. B. ORR, M. D., Cincinnati, Ohio.

J. TABER JOHNSON, M. D., Washington.

R. E. BELL, M. D., Lowell, Mass.

J. V. SHOEMAKER, M. D., Philadelphia, Pa.

LAURA FRANKLYN HOSPITAL, N. Y.

T. G. THOMAS, M. D., N. Y.

POST-GRADUATE SCHOOL, N. Y.

W. H. KING, M. D., 23 W. 53d St., N. Y.

GERMAN DISPENSARY, New York.

HOMOEOPATHIC HOSPITAL, Buffalo, N. Y.

H. C. LAWYER, M. D., 7 Hill St., San
Francisco, Cal.

DR. MANSFIELD, Chillicothe, Mo.

L. WASS, M. D., Minneapolis, Minn.

JAY OWENS, M. D., St. Paul, Minn.

LEGRAND S. DENSLOW, M. D., St. Paul,
Minn.

CHARITY HOSPITAL, New Orleans, La.

DRS. LONG & RIGGS, Bryan, Ohio.

SEND FOR A COMPLETE CATALOGUE.

HAS TRUAX & GREENE & CO.

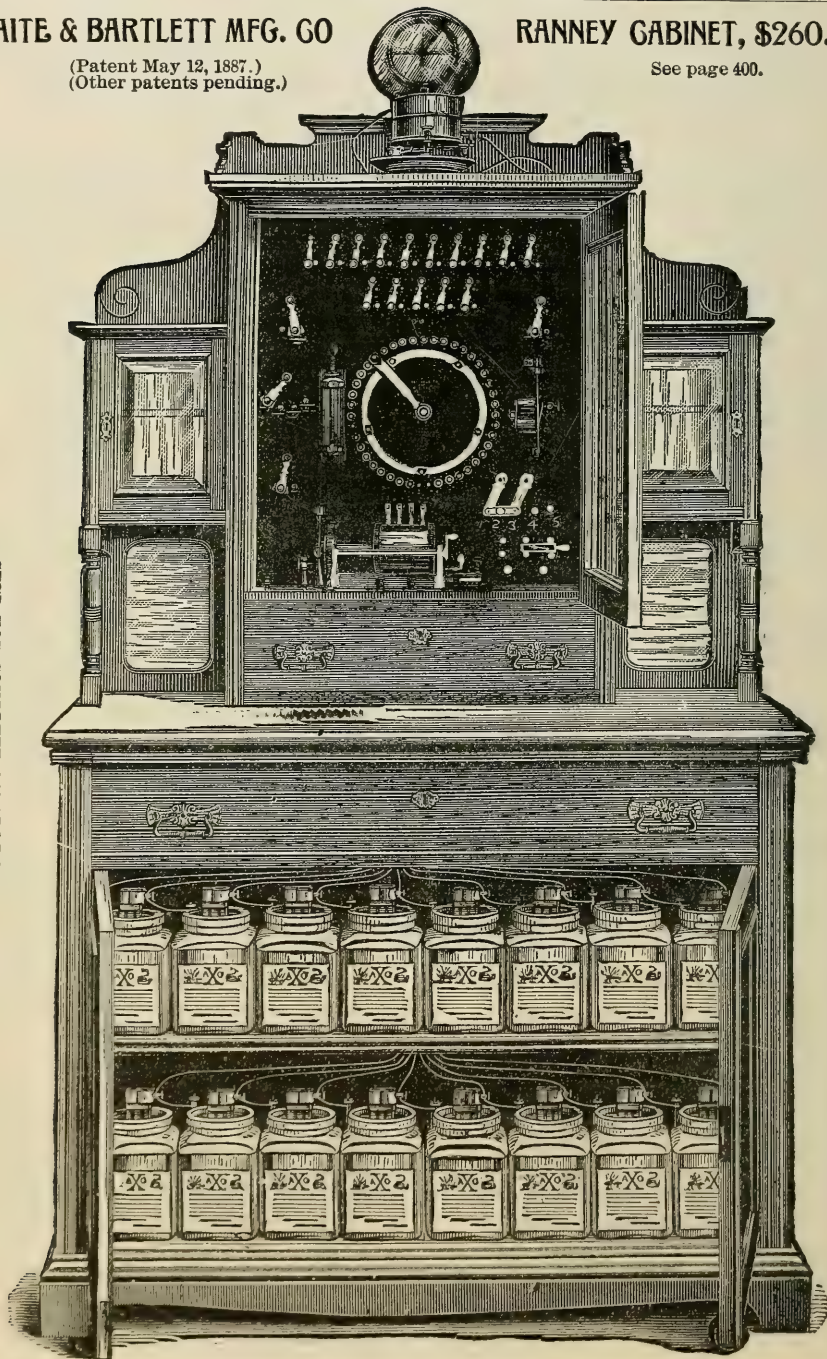
WAITE & BARTLETT MFG. CO

(Patent May 12, 1887.)
(Other patents pending.)

RANNEY CABINET, \$260.

See page 400.

SEND FOR COMPLETE CATALOGUE.



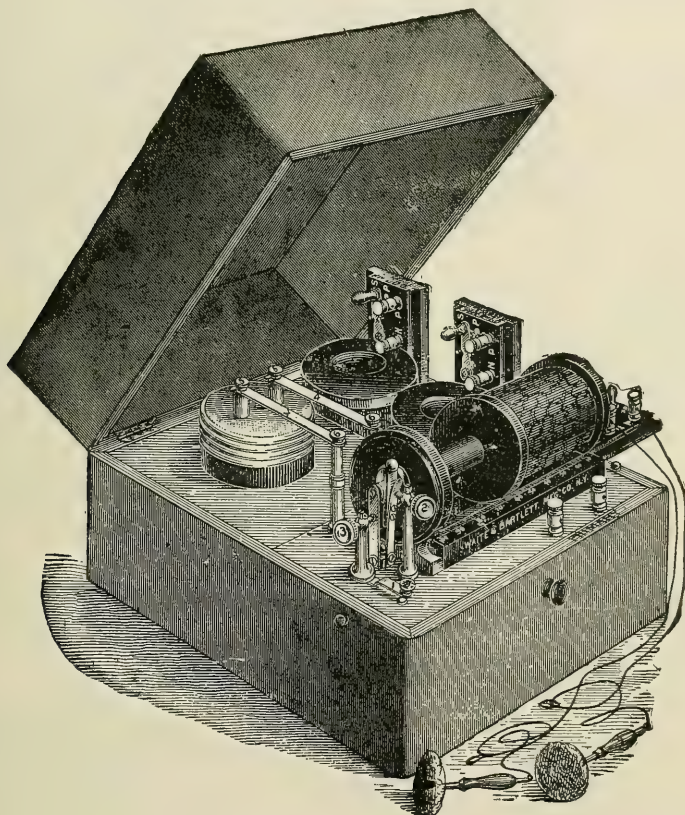
Total height of above, 69 inches; length, 41 inches; depth, 22 inches. Antique oak or walnut.

HAS TRUAX & GREENE

WAITE & BARTLETT MFG. CO., NEW YORK.

THE ENGELMANN FARADIC BATTERY.

Price, to patients.....\$40 00 See page 400



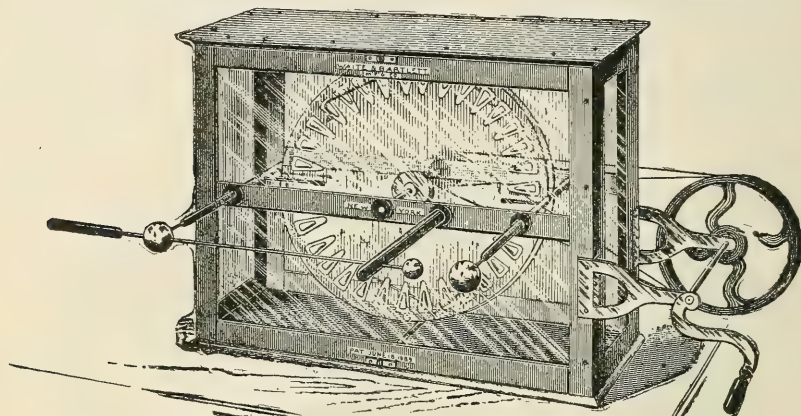
The above battery is constructed after data given in "The Use of Electricity in Gynecological Practice," by G. J. Englemann, M. D., of St. Louis. It is provided with three coils of wire of different sizes and lengths.

They are marked, respectively, Coarse, Fine and Medium, as C., F. and M. The diameter and length of wire on each coil is also marked in millimeters and meters. Use coarse coil for muscular contractions—as for contracting down a subinvolted uterus, with medium speed of interruptions. Use fine coil to relieve pain, as in cellulitis. Use medium coil when muscular contractions are to be produced, but the parts are too sensitive to allow use of coarse coil.

SEND FOR A COMPLETE CATALOGUE.

HAS TRUAX & GREENE & CO.

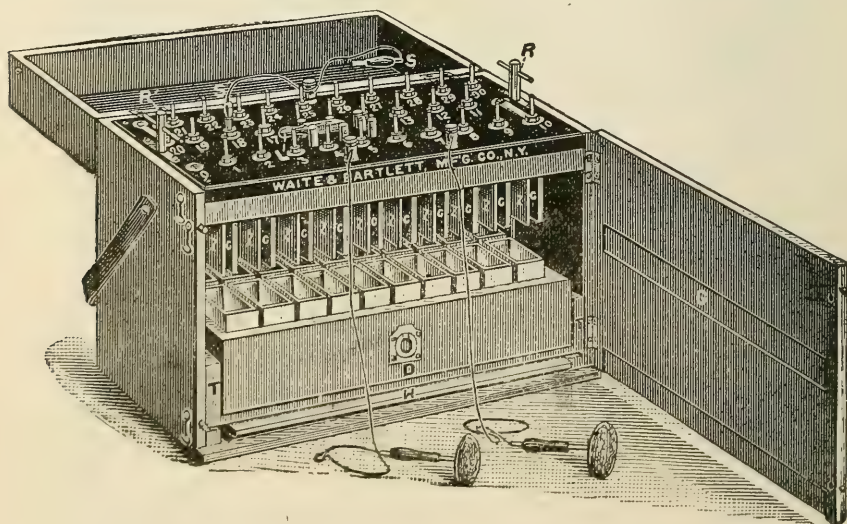
WAITE & BARTLETT MFG. CO., NEW YORK.



No. 122--RANNEY'S IMPROVED CHARGING MACHINE.

Price to patients.....\$66 60 See page 400

Ranney's improved machine for charging the large Holtz machine is of great value during the sultry months of July and August when there is so much moisture in the atmosphere as to interfere with the workings of the machine. Instruments that have given trouble have never failed with this charger. W. A. Hammond, M. D., of Washington; I. C. Rosse, M. D., Washington; A. L. Ranney, M. D., 156 Madison Ave., N. Y.; Holbrook Curtis, M. D., 30 Madison Avenue, N. Y.; S. N. Brayton, M. D., 202 Del. Ave., Buffalo, N. Y.; Dr. Martin, 145 Bryant St., Buffalo, N. Y.; J. W. Putnam, M. D., Buffalo, N. Y., and others, are using them with perfect satisfaction, and to whom we refer those interested.



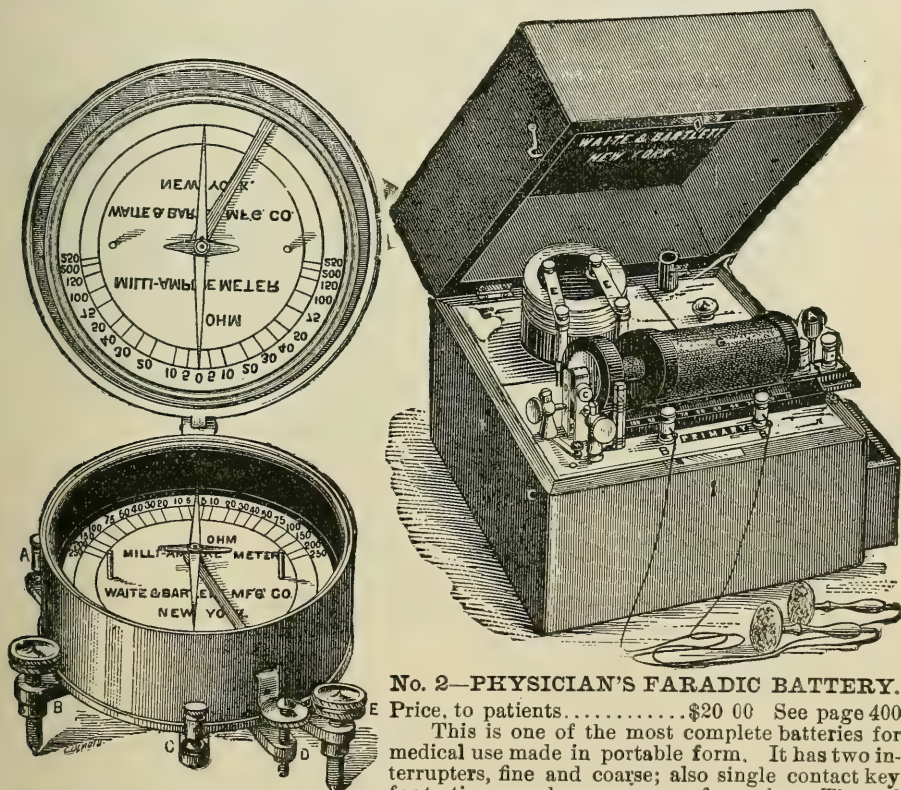
PLUG AND SOCKET GALVANIC BATTERY.

6-cell.....	Price to patients, \$12 00	20-cell.....	Price to patients, \$30 00
12-cell.....	" " 20 00	30-cell.....	" " 38 00
16 cell.....	" " 24 00		See page 400.

WAITE & BARTLETT MFG. CO., NEW YORK.

The foregoing engraving shows a convenient form of portable galvanic battery. It is represented with the door open, showing the construction of the various parts. In the outer tray *T, T*, which is lifted by means of the rods *R, R*, is the tray *D*, which contains the cells. This tray *D* is withdrawn from the tray *T, T*, when it becomes necessary to fill the cells, after which it is returned to its place.

The battery is provided with the Hydrostat board *H*, by means of which the cells are sealed, so that the fluid will not be spilled when the battery is carried about. Place this Hydrostat board on top of the cells, and close and fasten the door. Turn the rods *R, R*, until they turn hard. The bottom of the board is covered with rubber. The tops of the cells are beveled, and are forced into the rubber, thus securely sealing the cells. The Hydrostat board is placed under the tray *T*, when not in use. The thirty cell, of the above type, will give sufficient current for Apostoli's method of treating fibroid tumors and other gynecological work. The battery is furnished in a handsome antique oak or mahogany case, finely polished, and in five different sizes.



No. 2—PHYSICIAN'S FARADIC BATTERY.

Price, to patients.....\$20 00 See page 400

This is one of the most complete batteries for medical use made in portable form. It has two interrupters, fine and coarse; also single contact key for testing muscles or groups of muscles. The cell of the battery is made perfectly water-tight so that the solution can be carried therein without any danger whatever of spilling. The advantages of this instrument are found in no other of its size, and it is only to be used to be appreciated.

No. 2—MILLI-AMPERE-METER.

All-metal cases..\$20 00 See page 400

Price for Reflecting Mirror, as

above.....extra, \$1 33

SEND FOR A COMPLETE CATALOGUE.

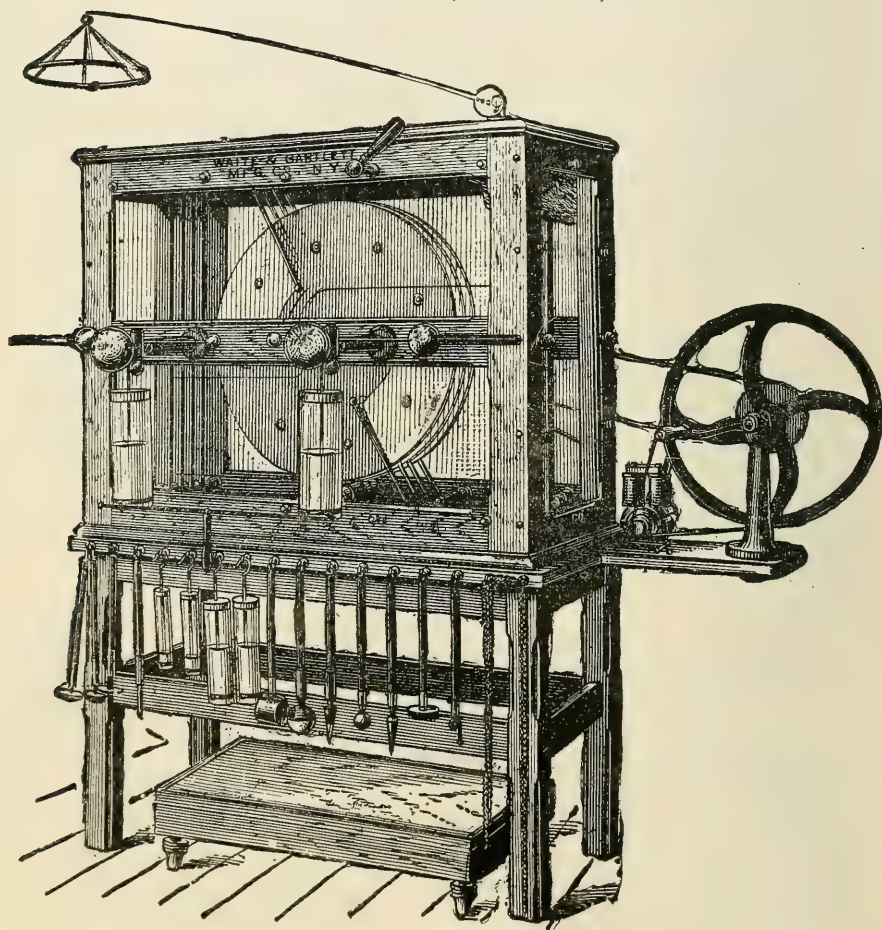
HAS TRUAX & GREENE & CO.

WAITE & BARTLETT MFG. CO., NEW YORK.

HOLTZ INDUCTION MACHINE.

As Improved by Prof. A. L. Ranney, M. D.

SEE "MEDICAL RECORD," OCTOBER 17, 1885.



SELF-CHARGING STATIC MACHINES, FOR THERAPEUTICAL USE.

With six 26-inch revolving plates and set of electrodes, set of medical Leyden jars, with attachments for giving the induced current, and insulated platform. Height, 63 inches; width from back to pole pieces, 36 inches; total length, 72 inches. Price, complete in handsome antique oak or mahogany cases, \$400.00. See page 400.

SOME OF THE PHYSICIANS USING OUR MEDICAL HOLTZ MACHINE.

PROF. A. L. RANNEY, M. D., N. Y.
 PROF. W. A. HAMMOND, M. D., Wash-
 ington, D. C.
 PROF. H. S. MORTON, M. D., N. Y.
 ALMA SANITARIUM, Alma, Mich.

A. MARCHAND, M. D., Leavenworth.
 P. ZENNER, M. D., Cincinnati, Ohio.
 J. P. GEPPERT, M. D., Cincinnati, Ohio.
 M. B. WERNER, M. D., Philadelphia, Pa.
 THOS. GARDINER, M. D., Minneapolis.

SEND FOR A COMPLETE CATALOGUE.



J. G. VETTER & CO'S STANDARD ELECTRO-MEDICAL APPARATUS.

THE LECLANCHE FARADIC.

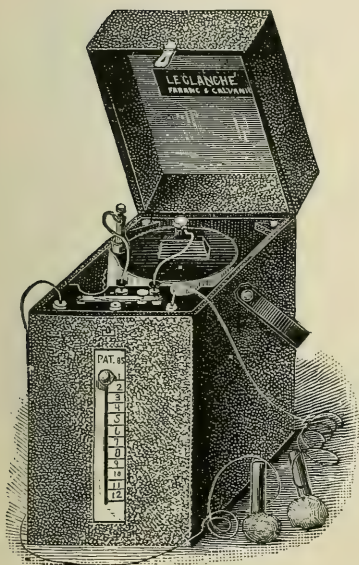
(VETTER PATENT, 1885.)

A perfectly reliable, low priced instrument.

It is always ready for use; no strong poisonous or dangerous acids required; no zincs to raise or lower; no fluids to be removed, and it does not corrode or lose power when not in use.

The Leclanche Faradic has three currents—mild, medium and strong—that can be regulated by our improved and perfect graduator. We make them in three styles; the metallic parts are nickel plated.

Price of No. 1, mounted in an ornamental covered case—for patient's use, with regular Leclanche Liquid Cell... Net, \$10 00
With one large No. 3 Vetter Dry Cell, Net, 11 00

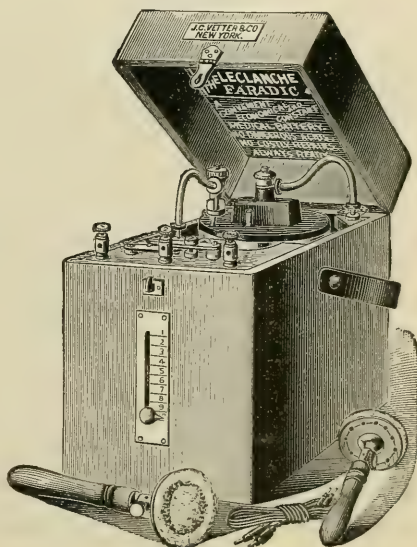


No. 1. BATTERY.

Price of No. 2, in finely polished hardwood case, and universal handle, electrodes, designed for physicians' use.

With regular Leclanche Liquid Cell,
Net.....\$13 00

With one large No. 3 Vetter Dry Cell,
Net.....14 00



No. 2. BATTERY.



VETTER & CO'S ELECTRIC APPLIANCES.

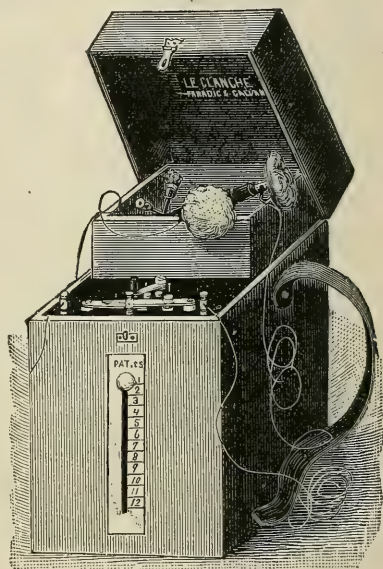
DRY LECLANCHE FARADIC.

(VETTER PATENT.)

This battery is a very powerful and superior instrument. It is supplied with four No. 2 Vetter Dry Leclanche Disque Cells, two or four of which can be used as required. Always ready for use. Encased in finely polished hardwood, and is absolutely portable.

Price.....Net, \$20 00

Full directions accompany each battery.



No. 3. BATTERY.

VETTER'S IMPROVED PORTABLE DRY LECLANCHE FARADIC BATTERY.



Simple! Powerful! Always Ready!

Handsome antique quartered oak case, highly polished on every side, complete with 1 pair of universal handles; 1 pair flat sponge electrodes (Erb.); 1 small universal; 1 elbow extension piece; 1 oblong plate electrode, and 1 pair conducting cords. Size 9x6 $\frac{3}{4}$ x3 inches.

Price complete.....Net, \$10 00



VETTER & CO'S ELECTRIC APPLIANCES.

THE VETTER PORTABLE DRY LECLANCHE GALVANIC BATTERY.

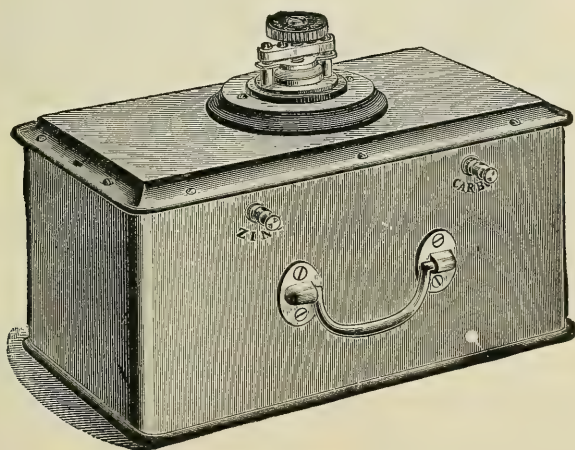
ALWAYS READY FOR USE. NO RAISING OF ELEMENTS. NO DRIP CUPS.

NO DANGEROUS ACIDS.

Does not corrode or lose power when not in use.

There is no complicated mechanism to get out of order.

It is a battery that is constant from day to day, lasting from two to four years, and when the cells have become exhausted, new ones can be procured at a nominal price, and replaced by any one, at less than the cost of repairs of batteries of other make

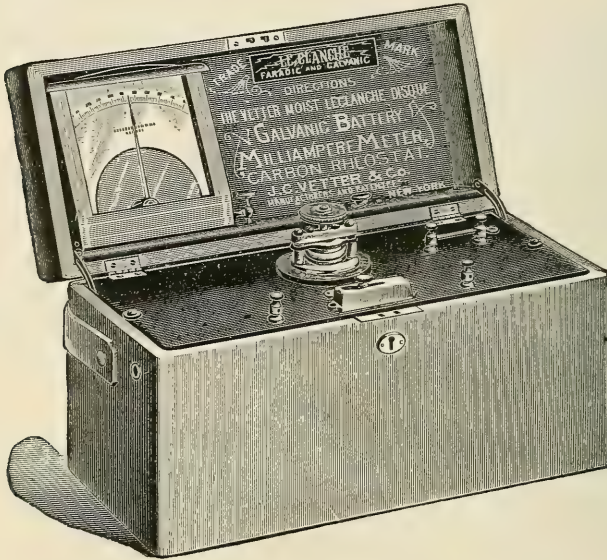


A neat mahogany or walnut finished case with carbon current controller, binding posts, conducting cords, one pair of universal handles and 2 inch sponge discs. The metallic parts nickel plated.

	E. M. F. VOLTS.	SIZE, INCHES.	PRICE.
18 cel	28.44	11½ x 6¾ x 6½	Net. \$25 00
24 "	37.92	15 x 6¾ x 6½	" 30 00
30 "	47.40	11¾ x 10 x 6½	" 35 00
40 "	62.20	15 x 10¼ x 6½	" 44 00
50 "	79.00	19 x 9¾ x 6½	" 52 00



VETTER & CO'S ELECTRIC APPLIANCES.



THE VETTER COMPLETE PORTABLE DRY GALVANIC BATTERY.

This battery consists of a series of 24 Vetter No. 1, Portable Dry Cells that are guaranteed to last for two years without renewal.

It has a Milliampere Meter securely mounted in the cover of the case, and a carbon current controller, pole changer, binding posts, etc., on the ebonized base.

No Galvanic Battery can be so conveniently and quickly operated as this one. It is only necessary to open the cover, connect the electrodes, when upon final closing of the circuit, the flow of current is developed, and the amount in Milliampères plainly indicated on the meter.

The cells are so arranged that they can be easily renewed if necessary, without the aid of an electrician, at small expense and little trouble.

This complete battery is also provided with two additional binding posts to receive in circuit the current from an auxiliary battery.

A third binding post is furnished as a connection for the incandescent or street current, as utilized by means of the Vetter Current Adapter; thus enabling a physician to use the upper part of the battery as a switch Board, with a current controller and Milliampere Meter, and still have in the same instrument a complete Portable Battery for outside work, thereby saving the expense of an additional apparatus.

24 cells with Current Controller	Net, \$50 00
24 " " " " " and Milliampere Meter	Net, 85 00

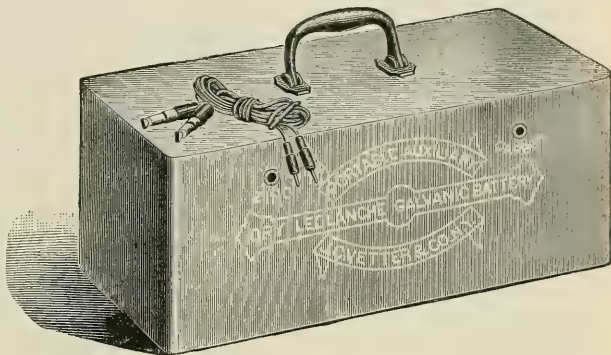


VETTER & CO'S ELECTRIC APPLIANCES.

THE VETTER DRY AUXILIARY BATTERY.

These batteries are used principally to assist other batteries when a more powerful current is required. The cells are No. 1 Dry, connected in series, which terminate in binding posts and are furnished with conducting cords.

They can be readily connected with our complete Galvanic Battery.



12 cells E. M. F.	15.96 volts,	7½ x 6¾ x 6½ in.....	Net price, \$10 00
18 " "	28.44 "	11½ x 6¾ x 6½ in.....	" 15 00
24 " "	37.92 "	15 x 6¾ x 6½ in.....	" 20 00
30 " "	47.40 "	11¾ x 10 x 6½ in.....	" 25 00
40 " "	62.20 "	15 x 10¼ x 6½ in.....	" 34 00
50 " "	79.00 "	19 x 9¾ x 6¼ in.....	" 42 00

THE VETTER DRY BATTERY.



NO ACID!

NO LIQUID!

NO GLASS!

High Electro-Motive Force (1.58 volts). Low Internal Resistance (.54 Ohms). Great Recuperative Power. Neat, Light, Effective and Economical. Charged ready for use.

We make liberal discounts to physicians when ordering thirty or more of these cells.

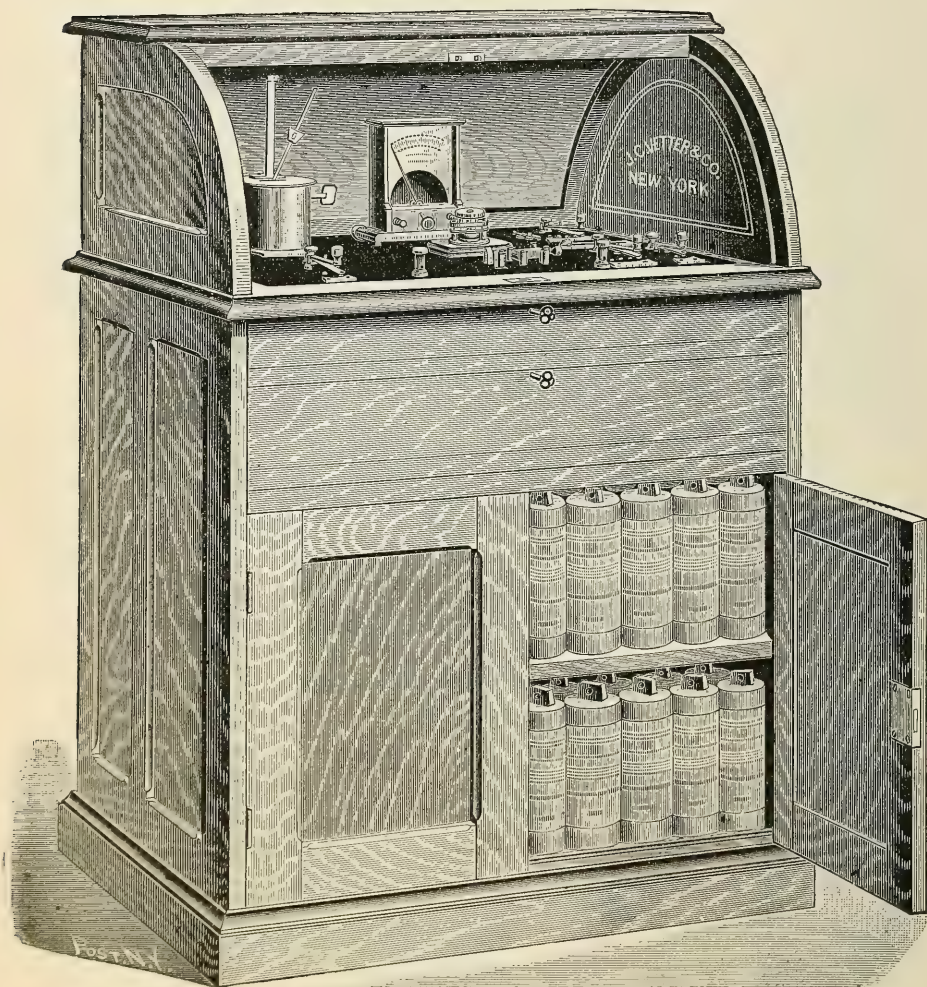
No. 1 Portable,	size 1½ x 5½.....	Net, each, \$0 85
No. 1 Cabinet,	" 3 x 8	" 1 00
No. 2 "	" 2½ x 6	" 90
No. 3 Improved Faradic,	" 4 x 7	" 1 50
No. 5 " "	.....	" 1 00

MOST ECONOMICAL. CHARGED READY FOR USE.

HAS TRUAX & GREENE⁸ CO.

VETTER & CO'S ELECTRIC APPLIANCES.

VETTER CABINET.



GALVANIC AND FARADIC BATTERIES.

- | | |
|------------------------------|-----------------------------|
| 50 No. 2 Dry Cells, | one pair universal handles. |
| 1 Milliampere Meter, | " " two-inch sponge discs. |
| 1 Carbon Current Controller, | " " conducting cords. |
| 1 Rheotome, | " " small disc electrodes. |
| 1 Faradic Outfit, | " interrupting handle. |

Pole Changer, Switches, etc.

Mounted in handsome quartered oak cabinet.

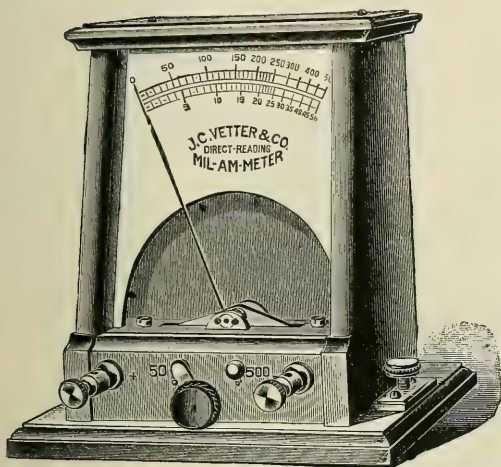
The entire apparatus, without the cells, can be used in connection with the incandescent current, by means of the Vetter Current Adapter. Price, Net, \$175 00

TRUAX & GREENE & Co.

VETTER & CO'S ELECTRIC APPLIANCES.

VETTER MIL-AM-METER.

SPECIALLY DESIGNED FOR PHYSICIANS' USE.



This instrument is accurately calibrated and standardized. Staff of hardened steel, pivoted in ruby bearings with jeweled end pieces; records both in amperes and milliamperes. Mounted in mahogany or antique oak case.

Price.....Net, \$35 00
Same, not jeweled.....Net, 25 00

THE VETTER CURRENT CONTROLLER.

COMPACT!

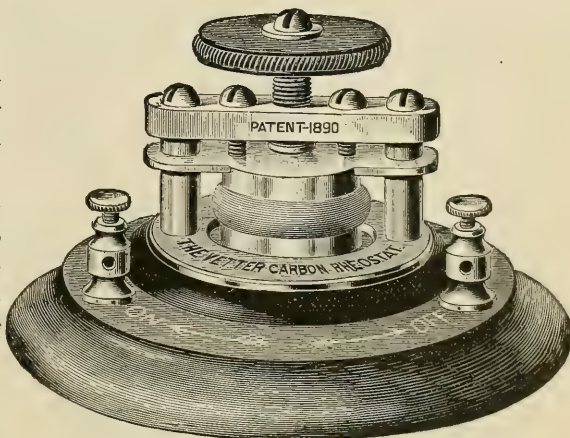
DURABLE!

EFFICIENT!

Imposes equal work upon all the cells of a battery, maintaining a uniform and equal strength throughout.

The principle adopted in the construction of this rheostat is the effect of variation in resistance which takes place in carbon with a change of pressure.

This cut is three-fourths the actual size.



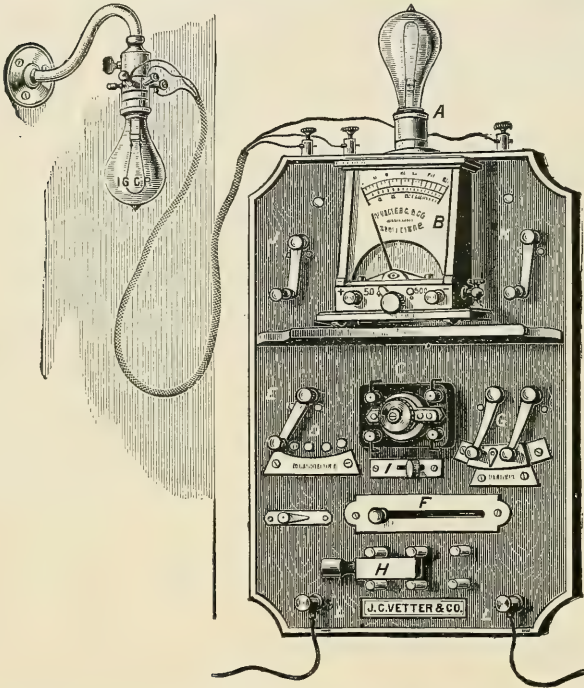
Price.....Net, \$15 00



VETTER & CO'S ELECTRIC APPLIANCES.

VETTER GALVANIC AND FARADIC SWITCH BOARD.

FOR INCANDESCENT CURRENT AND LECLANCHE CELLS.



A complete apparatus for controlling, measuring and operating an electric current, either from a series of cells or the incandescent system.

The Switch Board comprises a complete combination of J. C. Vetter & Co.'s latest improved instruments, mounted on a handsome wall or table base, as shown by illustration.

- A. Vetter Lamp Socket and Current Adapter.
- B. Vetter Milliampere Meter.
- C. Vetter Carbon Current Controller.
- D. Faradic Induction Coil with four distinct convolutions.

The various switches from E to K are so arranged as to give the operator complete and absolute control over either the incandescent current of 120 volts or less, through the Vetter Current Adapter, or a Galvanic Current from a series of either liquid or dry Leclanché Cells.

In ordering, state whether Edison, Westinghouse or Sawyer-Man systems are to be used.

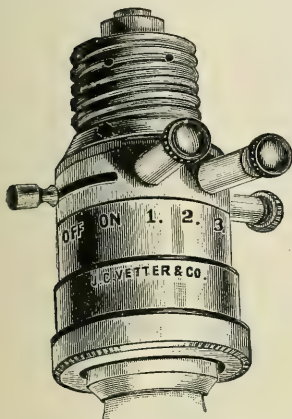
Detailed instructions for manipulation accompany each apparatus.

Price.....Net, \$100 00



VETTER & CO'S ELECTRIC APPLIANCES.

THE VETTER INCANDESCENT CURRENT ADAPTER.



The Vetter Current Adapter furnishes an absolutely safe and convenient method by which the street current of 120 volts or less can be utilized, in the application of Galvanic and Faradic electricity, and for various other purposes.

This Adapter, together with the Vetter Milliampere Meter and Current Controller, furnishes a complete arrangement for adapting the Incandescent Current for Therapeutic treatment.

It is also valuable to the physician as furnishing a handy and clean method by which storage batteries can be easily and economically re-charged, really at no expense whatever if the charging is done at a time when the lamp would ordinarily be in use, as the overflow is sufficient for the purpose.

It again appeals especially to the physician, as a ready means of extending a drop light where increased illumination is desired for an operation.

The Current Adapter is a development of the ordinary lamp socket, provided with a switch lever and binding post; it renders the tapping of the wire a very simple matter, and still does not interfere in the least with the illuminating capacity of the bracket.

It does not require the services of an electrician to attach the Current Adapter; any one can do it; it is no more trouble than changing a lamp, and can easily be moved from one bracket to another.

In ordering, state whether the Edison, Westinghouse or Sawyer-Man current is to be employed.

Vetter Incandescent Current Adapter with two binding posts, without switch for charging storage batteries, price.....	Net, \$4 00
Vetter Incandescent Current Adapter with two binding posts, with switch, for Galvanic and Faradic work and for charging storage batteries. Price,	Net, 5 00
Vetter Incandescent Current Adapter, with three binding posts, with switch, for operating motor of 110 volts drop lights, Galvanic and Faradic work, and charging storage batteries., price	Net, 6 00



KIDDER'S SUPERIOR ELECTRIC BATTERIES.

(READ EMPHATIC WORDS SEPARATED.)

NOT HOW CHEAP, BUT HOW DURABLE.

Investments are usually made with an Eye to profit.

To purchase an article simply because it may appear pleasant to the Eye, is an error.

Is the Investment a profitable one, if it cost more to keep in order for 12 months than the original value of the apparatus?

What allowance is made for the loss of the use of the apparatus and cost of express transportation both ways, simply to have the maker adjust new plates.

A good apparatus should be constructed, so that new plates can be replaced by the operator.

Medical Apparatus should not be classed among toys; yet we find many batteries upon the market, at a price far below the value of good mechanical toys.

FARADIC APPARATUS.—*It is the length of wire in the coil that adds a therapeutic value, therefore the practitioner will meet disappointments in his treatments by using coils of short length of wire.*

All the leading Therapeutists recommend the coils of great length. *How is it possible to get a great length of wire on a small spool?* As the coil is the important factor in the production of the desired current, it also governs the size of the case.

Select a battery that is free from crystallization, uniform in strength and does not require new fluid for many months.

Do not purchase a battery that "needs no repairs." ALL THINGS ARE NOT EVERLASTING, and batteries no exception to the rule.

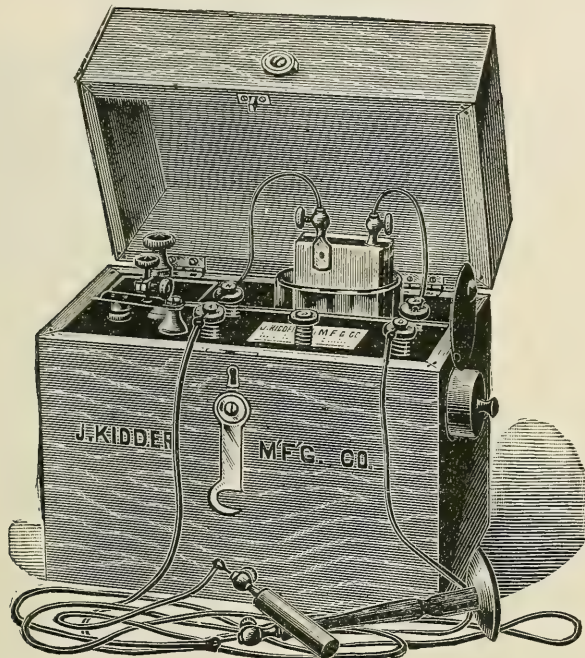
Batteries for operating Faradic or Cabinet Apparatus should be of fluid form, so arranged as to prevent spilling of fluid.

Dry Batteries are numerous; and highly recommended for Call Bell and similar work, where the current is used but the fraction of a minute and then allowed to rest for a long time. For operating Faradic Apparatus they are not as economical, as a short period, of closed circuit, on Dry or Hermetically sealed Batteries, would polarize the cells. FORCING THE PURCHASE OF NEW CELLS AT GREAT COST, to place all in good order; while under the same conditions, A FEW CENTS WOULD REPLACE NEW FLUID INTO A FLUID CELL and place it in first class condition.

Which shall it be? Investigate thoroughly before purchasing.

HAS TRUAX GREENE & CO.

KIDDER'S ELECTRIC BATTERIES.



FAMILY APPARATUS, No. 6.

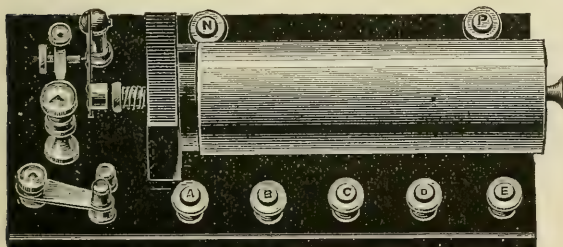
We also make a small apparatus with two coils and three variations in the qualities of current (see cut herewith). This is somewhat smaller than the No. 4 apparatus, but is a far better machine than any other in the market at the same price.

Polished walnut case, 8 inches long, 5 inches wide, and $7\frac{1}{4}$ inches deep. It is operated by an open narrow Jar Battery, with a small drip cell for resting elements into when raised out of the solution. Battery Jar measures $5\frac{1}{4}$ deep, $1\frac{1}{4}$ wide, 5 inches long at center, and $2\frac{3}{8}$ long at the mouth.

Complete with cords, handles and one sponge electrode.

Price to patients.....\$15 00 See page 400

COILS FOR MOUNTING IN GREAT VARIETY.



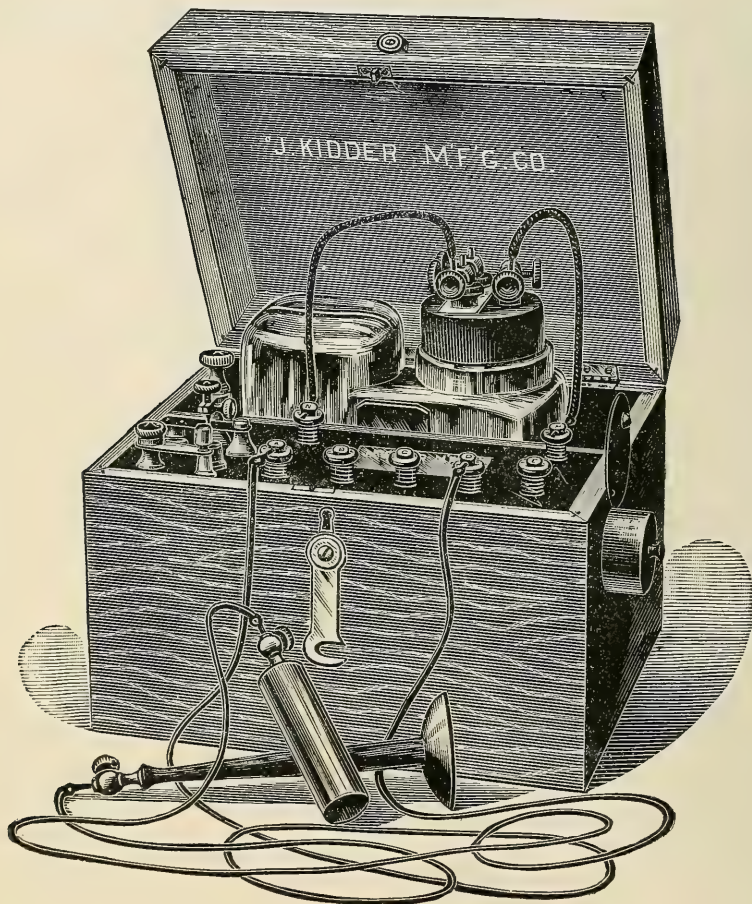
No. 5. A, Coil, producing 10 different qualities of currents, coil composed of four different lengths and diameters of wire, all mounted upon polished hard rubber

Price to patients.....\$20 00

See page 400.



KIDDER'S ELECTRIC BATTERIES.



ELECTRO-MEDICAL APPARATUS, No. 5.

Has four differently conditioned coils, of different lengths and diameters of wire, arranged to be used in various combinations, producing 10 different qualities of electricity. Constructed in polished hard wood case, $9\frac{1}{2}$ inches long, 8 inches wide, and $7\frac{1}{2}$ deep, outside.

With Hydrostat Tip Battery which is always ready for use, and by tipping the plates further into, or out of the fluid, the currents from the coil can be adjusted as to their degree of strength. This machine can be conveyed from place to place in a buggy, without danger of spilling the fluid; also one pair of conductors, one pair of metallic cylinders and one electrode for sponge.

Price, complete, to patients.....\$27 00 See page 400

With Open Battery, similar to the battery operating No. 4 machine,

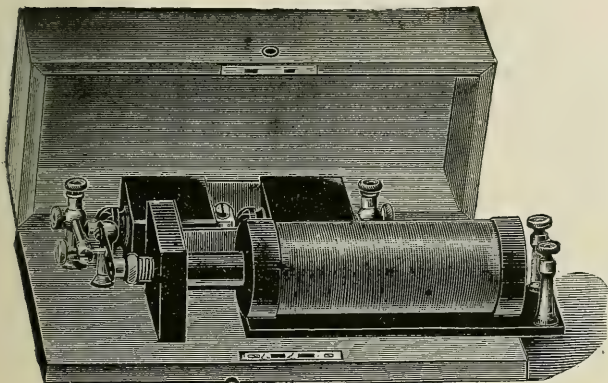
Price to patients.....\$24 00 See page 400

Other styles in great variety. Write for prices before placing orders.



KIDDER'S ELECTRIC BATTERIES.

HIGH TENSION COILS.



The illustration represents a High Tension Coil; in a hardwood case, $8\frac{1}{2}$ inches long, 5 inches wide, $2\frac{1}{2}$ inches deep. Operated either by two closed bi-sulphate of mercury cells; or, to be operated by any cell desired, by uniting the wires from the cells otherwise designed to be used, to the two posts that make contact for the small closed cells. Remove the tension coil entirely from the primary. The conductors are attached to the two contact posts of the coil base; the

vibrating arrangement set in operation, by replacing the tension coil over the primary, the current is gradually increased from nothing to a strong degree. Great care is exercised in the construction of these coils, owing to the great length of wire (about 4,500 feet). Marked sedative effects are produced. Complete with one pair of conductors, one pair electrodes for sponge, and two closed cells.

Price to patients.....\$30 00 See page 400

PORTABLE HIGH TENSION COILS, APPARATUS.

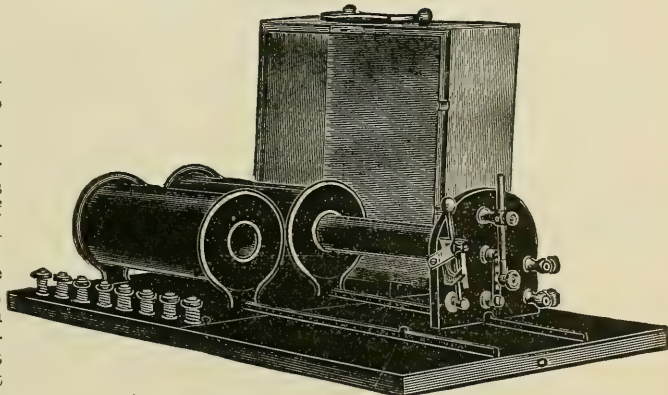
Size of Case, $9\frac{1}{2}$ inches long, $8\frac{1}{2}$ inches wide, 5 inches deep outside when closed.

Consists of compound coils having four different lengths and diameters of wire, to be used in various combinations. The length of fine wire is about 8,000 ft., which can be used in 10 different combinations of different lengths and different coils. The primary

field is entirely withdrawn from the coils, a most novel feature; the current can be started from absolutely nothing, and as the primary field is introduced, the current is increased. The plate of the primary coil contains a vibrator for medium and very rapid interruptions, together with a slow automatic interrupter. The case is adjusted so that the extension bottom can be turned underneath the case, and fastened so as to be perfectly portable. The coils can be operated from one or more muriate of ammonia cells. This apparatus contains a length of wire the combinations of which are greater than any other apparatus constructed, and is such as recommended by Apostoli, Rockwell, Goelet, Tripiet and others.

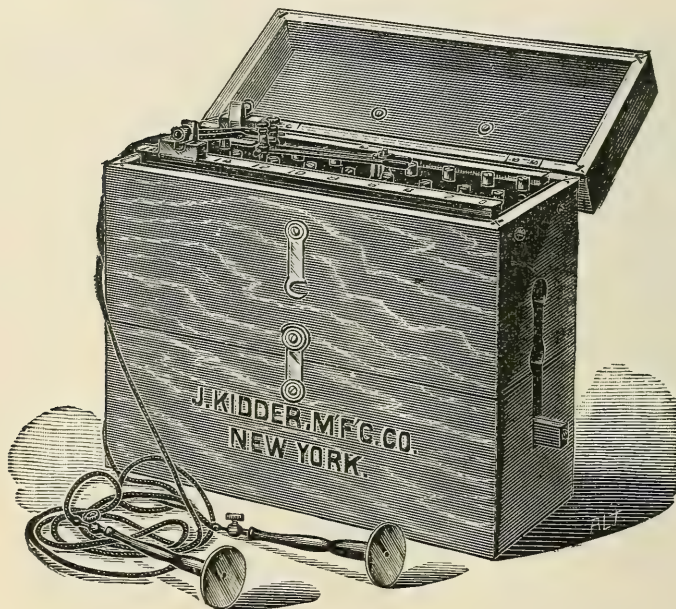
Price to patients.....\$65 00 See page 400

Various High Tension Coils; price, varying according to the length of wire and style of finish.





KIDDER'S ELECTRIC BATTERIES.



PORTABLE GALVANIC BATTERIES. (Primary Cell.)

Can be conveyed about without spilling fluid as jars are covered.

With patent improved attachments for electing various cells without interrupting the circuit when the slide is moved. Important for many cases.

By moving one of the levers, the current is alternately closed and interrupted. Also the current can be thrown rapidly and alternately in opposite directions. These arrangements add a value to these batteries not possessed by any other manufacture.

Always constructed in polished walnut cases unless otherwise ordered

Zinc Plates. Carbon plates. Each measures $5\frac{1}{4}$ in. long and $1\frac{1}{2}$ in. wide.

All jars are single, and of hard rubber. No expensive apartment cells.

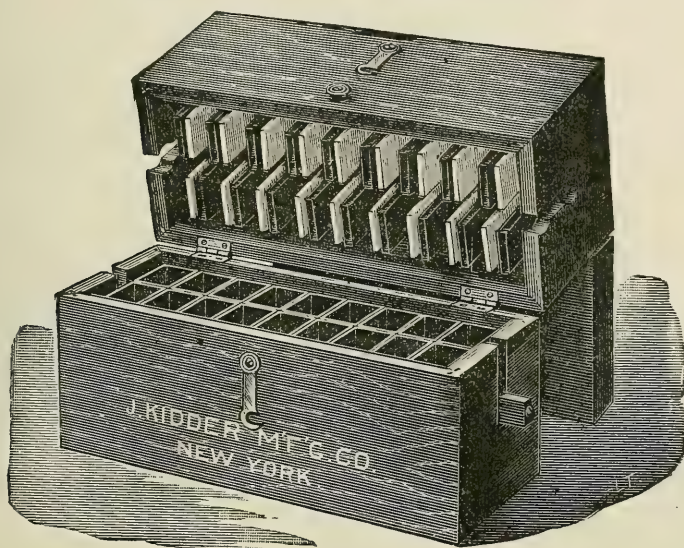
12-Cell Battery.	Case 10 inches long, 6 inches wide, and 13 inches deep.		
	Price with extra attachments as per illustration.....	\$26 00	See page 400
	Price in plain form.....	20 00	" 400
18-Cell Battery.	Case $14\frac{1}{4}$ inches long, 6 inches wide, and 13 inches deep.		
	Price with extra attachments as per illustration.....	\$36 00	" 400
	Price in plain form.....	30 00	" 400
24-Cell Battery.	Case 13 inches long, 8 inches wide, and 13 inches deep.		
	Price with extra attachments as per illustration.....	\$48 00	" 400
	Price in plain form.....	42 00	" 400

The above prices include, with each battery, two silk conducting cords and two sponge electrodes.

Batteries consisting of 32, 36 or more cells adapted for hospital uses, varying in their prices according to finish, kept on hand and made to order.



KIDDER'S ELECTRIC BATTERIES.



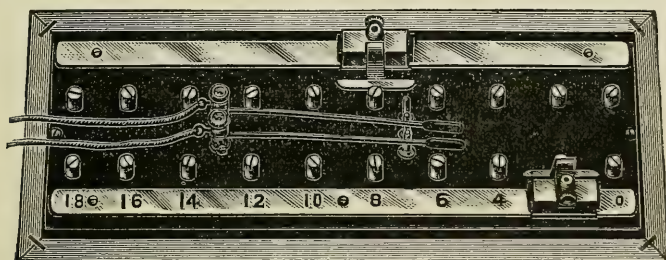
PORTABLE, GALVANIC APPARATUS. CASE TIPPED. HYDROSTAT REMOVED.

The tray containing the jars can be instantly removed from the box, and carried to a convenient place for charging. No forcing of plates out of position by Hydrostat, preventing the immersion of plates. Each jar is single. No expensive apartment jars to be replaced, if a single jar is damaged.

Larger amount of element surface than any other make.

Zinc and Carbon plates, each, $5\frac{1}{4}$ inches long and $1\frac{1}{2}$ inches wide.

The amount of square surface of plates, represents volume of current.



TOP PLATE OF GALVANIC APPARATUS.

Showing improved Patent Attachments, for adding, or cutting out cells without interrupting the circuit. Current Reverser for changing the polarity without disturbing the electrodes. Interrupter for breaking the circuit when desired. Absolute control of the current without disturbing conductors or electrodes.

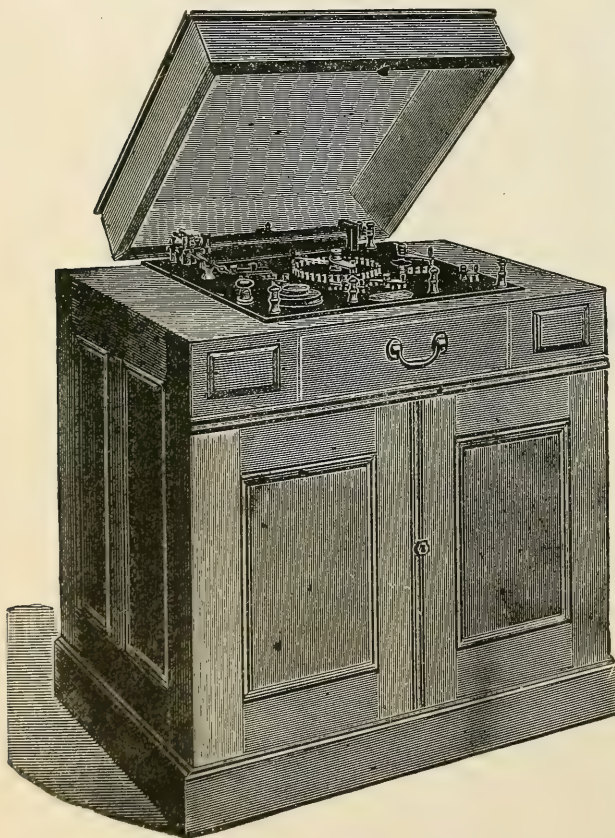


KIDDER'S ELECTRIC BATTERIES.

CABINET APPARATUS.

(Outside measurements, height 37 in., width 30 in., depth 22 in.)

A cabinet without a cell selector is imperfect, as a defective cell in the series cannot be cut out, and prevents the passage of the current, rendering the cabinet useless. With cell selectors this is impossible.



Elegant in design, complete in manipulation of currents, and constructed in best workmanship-like manner. The trays containing the cells can be withdrawn from the cabinet without disturbing a wire.

Price.....\$165 00

See page 400.

We furnish each cabinet with 43 cells of improved form; each cell having an electro-motive force of 1.5 volts with an internal resistance of .5 of an ohm and never greater. Requiring no attention whatever in from two to three years, and then only for renewal of zincs and sal-ammoniac, which can be supplied at a nominal cost.

For operating coil and automatic interrupter we use separate cells. The automatic interrupter for galvanic current does not assist in polarizing the galvanic cells.

The cabinet is supplied with a compound circle for 40 cells (electing singly without shock), polarity changer, automatic interrupter, cut out, galvanoscope, necessary switches and cord posts; also a fine faradic coil (10 current), circle switch for selecting currents, polarity changer, necessary switches and cord posts.

A HANDSOME PIECE OF CABINET WORK FOR THE PHYSICIAN'S OFFICE.

The original inventors of the only Compound Circle cell selector. Beware of poor imitations. Cabinet of various designs in stock and to order.



KIDDER'S ELECTRIC BATTERIES.

GALVANO-CAUTERY APPARATUS.

These Galvano-Cautery Batteries are unequalled as to their efficiency and convenience of operation.

The elements are made movable horizontally in their relation to the fluid of the cells, so as to substitute, continuously, battery fluid which has recovered its allotropic power from having been released from action.

One of these forms, consisting only of two cells, each $3\frac{1}{4}$ inches long, $2\frac{1}{2}$ inches wide and $4\frac{1}{2}$ inches deep, will retain a platinum wire, No. 19, at a white heat, constantly, for more than a quarter of an hour. (See cut.)

PATENTED 1876.

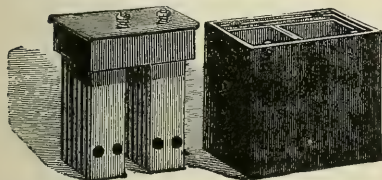


FIG. 1.

The price of this form of battery in polished walnut case, $5\frac{1}{4}$ inches long, 4 inches wide, and $5\frac{1}{4}$ inches high, all outside measurements, constructed to have the highest power for the size, with Irido-platinum and zinc elements enclosed in open case similar to fig. 1.

Price.....\$50 00 See page 400

Same form of battery, with carbon and zinc elements, for minor operations:

Price.....\$25 00 See page 400

These batteries are also put up in polished walnut case, $9\frac{1}{2}$ inches long, $4\frac{1}{4}$ inches wide, and $8\frac{1}{4}$ inches high, (outside) and constructed so as to suspend the elements over the cells. Also to immerse any desired amount of surface of elements to the action of the fluid. Also an apartment with bottle, so that a charge of fluid can be carried in same case with battery. See fig. 2.

Price with Irido-platinum and zinc elements.....\$55 00
See page 400.

Price with carbon and zinc elements..... 30 00
See page 400.

Directions for Galvano-Cautery Apparatus, as per Fig. 2.

To adjust the apparatus for operation, unscrew the thumb-nut that holds the lower end of the bar that locks the cover, (see fig. 3) and raise the cover at right angle to the box, (see fig. 2) and fasten the bar by screwing the thumb-nut firmly into the circular support, near the upper edge of box. This will support the cover so that elements can be suspended. Unscrew the knob at free end of chain, pass chain up through the catch, screw on the knob and draw the elements upward.

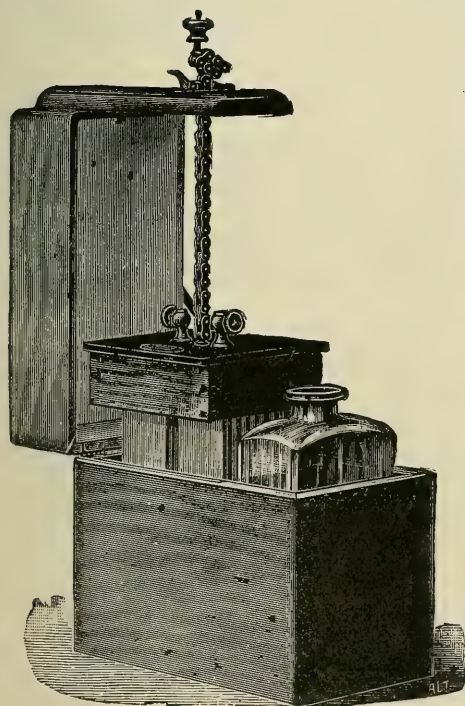


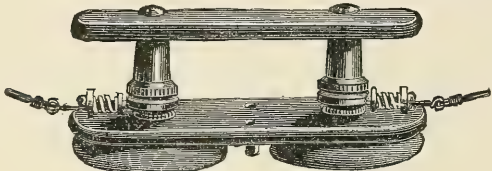

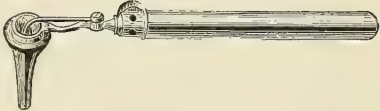



FIG. 2

You can then immerse any amount of element surface by lowering the chain. The greater amount of element surface the more heating power.


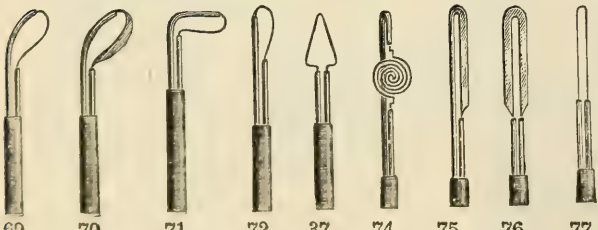


KIDDER'S ELECTRIC APPLIANCES.

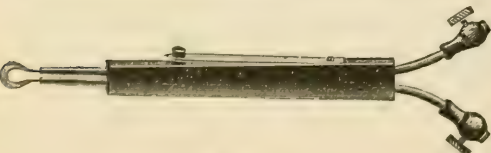
PRICE LIST. (FOR DISCOUNT SEE PAGE 400.)

- No. 11.  Carbon Sponge Holders, for both the positive and negative electrodes.....\$3 00
- No. 20.  Universal Handle with ring and screw clasp and interrupter\$2 00
- No. 23.  Another form of Ear Electrode, with rubber funnel-shaped insulator...\$3 00
- No. 24.  Glass Eye-Cup, to be filled with water, \$1 75
- No. 27.  Insulated Throat Electrode.....\$1 50
- No. 28.  Tongue Electrode.....\$1 50

THROAT AND NASAL CAUTERY ELECTRODES.

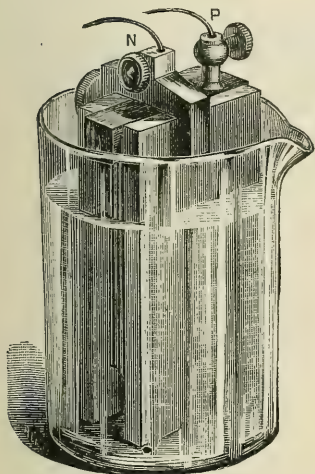
- No. 68. 
- | | PRICES |
|-------------|--------|
| No. 68..... | \$2 00 |
| " 69..... | 2 00 |
| " 70..... | 2 00 |
| " 71..... | 2 00 |
| " 72..... | 2 00 |
| " 73..... | 2 00 |
| " 74..... | 2 50 |
| " 75..... | 2 00 |
| " 76..... | 2 00 |
| " 77..... | 2 00 |
- 
- 69 70 71 72 37 74 75 76 77

With Flexible Insulated Rods that can be formed to any curve or angle desired.

- 
- No. 54. Small handle with interrupters for Burners A, B, C, D, E, F, G....\$1 50

KIDDER'S SUPPLIES FOR BATTERIES.

PRICE LIST. (FOR DISCOUNT SEE PAGE 400.)



OPEN BATTERIES.

PLATINAS.

	Each.
4 inches long, $2\frac{1}{4}$ inches wide.....	\$1 50
$4\frac{1}{4}$ " " $2\frac{1}{4}$ " "	1 75
$5\frac{1}{2}$ " " $2\frac{3}{4}$ " "	2 50
$5\frac{1}{2}$ " " $1\frac{3}{4}$ " "	1 50

ZINCS.

	Per Pair.
$4\frac{1}{2}$ inches long, $2\frac{1}{4}$ inches wide, $\frac{1}{4}$ inch thick....	\$0 75
5 " " $2\frac{3}{4}$ " " $\frac{5}{16}$ " "	1 00
$5\frac{3}{4}$ " " $3\frac{1}{2}$ " " $\frac{3}{8}$ " "	1 50
6 " " $1\frac{3}{4}$ " " $\frac{3}{16}$ " "	75

JARS.

	Each.
Round $4\frac{1}{2}$ inches deep, $3\frac{3}{4}$ inches diameter.....	\$0 50
" 5 " " $3\frac{3}{8}$ " "	75
Round and heavy, 6 inches deep, $5\frac{1}{4}$ inches diameter.....	1 25
Flat $5\frac{1}{2}$ inches deep, 5 inches long and $1\frac{3}{4}$ inches wide (mouth $2\frac{3}{8}$ x $1\frac{1}{2}$ inches).....	50

RUBBER STOPPER BATTERIES.

PLATINAS.

	Each.
$3\frac{1}{2}$ inches long, $1\frac{1}{4}$ inches wide (Tip Battery)...	\$1 75
$3\frac{1}{4}$ " " $1\frac{1}{2}$ " "	1 75

ZINCS.

	Per Pair.
4 inches long, 2 inches wide, $\frac{5}{16}$ inch thick (Tip Battery)...	\$0 80
4 " " $1\frac{1}{2}$ " " $\frac{1}{4}$ " "	60

JARS.

	Each.
Round $5\frac{1}{4}$ inches deep, $3\frac{3}{4}$ inches diameter.....	\$0 75
Square $5\frac{1}{4}$ " " $2\frac{1}{2}$ " square.....	50
Glass jar for Tip Battery.....	1 00

Stopper element complete, ready to place into jar, and consisting of the following: 2 zinc plates, 1 platina plate, 1 stopper, 3 vulcanite nuts, 1 vulcanite tube, 1 set metallic clamps, and pair flexible metallic connecting cords.

FARADIC BATTERY SUPPLIES.

Rubber stopper, $1\frac{1}{2}$ inches thick, $1\frac{1}{4}$ inches diameter.....	\$1 00
Metallic clamps for stopper battery, per set.....	50
Vulcanite nuts " " " each.....	08
" tube (small) for stopper battery, each.....	08
Metallic spring and stand for supporting Tip Battery.....	75
Metallic clamp for binding elements together of open battery.....	40

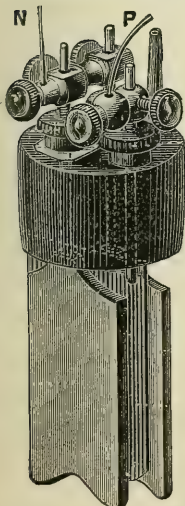
GALVANIC BATTERY SUPPLIES.

Battery Jars. Hard Rubber, $4\frac{1}{2}$ inches deep, $2\frac{1}{8}$ inches long, $1\frac{1}{8}$ inches wide.....	\$0 35
Carbons. $5\frac{1}{4}$ inches long, $1\frac{1}{8}$ inches wide, $\frac{1}{4}$ inch thick....	40
Zincs. $5\frac{1}{4}$ inches long, $1\frac{1}{2}$ inches wide, $\frac{1}{8}$ inch thick.....	20

Cords. Best quality, silk covered copper strands, $5\frac{1}{2}$ feet long, per pair..... 1 00

CORDS.

These Cords are thoroughly insulated with cotton, which is covered with pure Balata gum and then finished in silk or cotton. Perfect insulation against moisture. Best quality, copper conductor, silk covered, each $5\frac{1}{2}$ feet long, per pair..... \$1 00
 Best quality, copper conductor, cotton covered, each $5\frac{1}{2}$ feet long, per pair..... 80
 Best insulated (copper conductor) flexible metallic cords for connecting the Tip Battery with the helix, per pair..... 25





CHLORIDE OF SILVER DRY CELL MEDICAL BATTERIES

MANUFACTURED ONLY BY THE

Chloride of Silver Dry Cell Battery Co. OF BALTIMORE CITY, MD

The distinguishing feature of the now well-known Chloride of Silver Dry Cell Batteries, whereby they differ essentially from all others, obsolete as well as yet existent forms, is not only the particular way and manner the Silver Chloride itself is applied to electrical work, ensuring compactness, efficiency, constancy and durability; but also the fact that the cells themselves, dry and free from liquid, once they are finished, become immediately ready for long-continued use without further attention of any sort soever until their elements shall have been completely reduced and exhausted.

THE ADVANTAGES WE CLAIM FOR THEM ARE:

1—COMPACTNESS AND PORTABILITY.

A 50-Cell Galvanic Battery, that has an electro-motive force of more than fifty volts, with electrode cords, rheostat, tray and mahogany case, 6x7x10 inches, complete, weighs not more than 11 pounds; and the weight of a 50-Cell Combination Battery having a powerful Faradic Coil in same box, is but a trifle more. The inestimable benefit to physician and patient alike of so complete and powerful an electrical outfit, that can be freely and easily carried wherever necessary, needs no argument.

2—CLEANLINESS.

This point necessarily follows from the absence of all liquid and the hermetical sealing of the cells—caustic and corrosive liquids being out of the way, there is no reason but what the batteries must remain clean at all times.

3—CONVENIENCE AND RAPIDITY OF ACTION.

No battery can be as conveniently and quickly operated as these. With them, it is only necessary to open the box, connect the electrodes, when the current instantly develops upon final closure of circuit. Reverse the process: open the circuit, disconnect the electrodes, and current, together with waste of elements, at once ceases.

4—CONSTANT AND UNIFORM CURRENT.

Steady work does not weaken the strength of current or cause it to fall in the slightest. After two or more years of regular use, due trial and strict examination shows that the Chloride of Silver Dry Cell Constant Current Batteries produce the same even, steady flow of electricity as when just finished. No other practical form of medical battery ever has done or can do that—a few minutes to an hour is quite sufficient to exhaust the power of any of them, from the Bichromate up.

5—EXTREME DURABILITY.

This follows as a matter of course from what has been said above—the simplicity of the apparatus and absence of the parts liable to wear, loss or breakage, as well as of fluid to evaporate, corrode or destroy metal and connections; preservation of the elements and prevention of all waste while the battery is not in use; superiority in respect of lasting quality is beyond question. No repairs are ever necessary, and the life of a Constant Current Chloride of Silver Dry Cell Battery is only limited by the actual amount of work it does. This work, after two or more years, finally reduces the elements, when the inner cases, with their exhausted cells, can, at a nominal cost, be exchanged for new cases, containing entirely new cells; and the battery at once becomes precisely as good and powerful as ever.

CHLORIDE OF SILVER DRY CELL BATTERIES.

PRICE LIST. (Net.)

[NOTE.—In ordering any of the batteries listed below it might be noted that the Nos. 1 and 2 are intended for general medical use, and are capable of treating every case, no matter what its nature—from those requiring the mildest to the strongest galvanic current; the No. 2, of course, having the additional advantage of the induction coil. The No. 3 batteries, however, containing a small number of cells, are adapted to treatment of cases needing a mild current and to the electrolysis of small growths. They have full power for the work for which they are intended, but of course will not embrace so wide a field as the others. The Two-Cell Faradic No. 5 needs only a passing notice, as its power is equal to any case, and will create the most delicate as well as a most, intense current.]

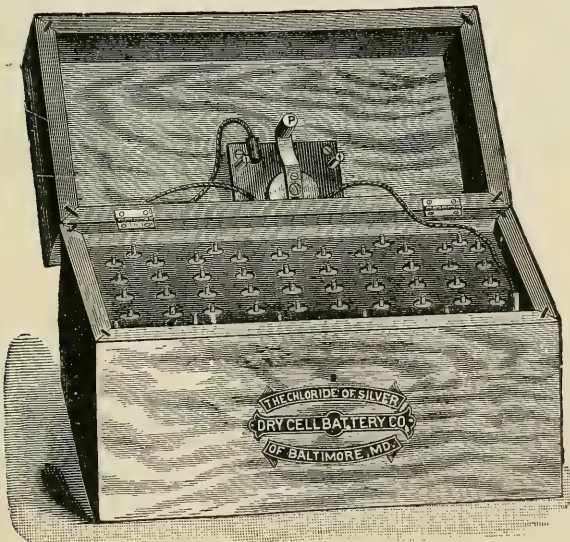
Each and every metal part of the following apparatus and electrodes is most carefully polished and nickel-plated, and each will be found even in the smallest detail, made and finished in the very best manner, and second to none in respect to every quality that goes to make up a first-class instrument.

No. 1—GALVANIC BATTERY.

This is a constant-current Battery, designed especially for physicians' use. It is put up in a very handsome, light, hardwood box, 6x7x10 inches. Metal parts are all finely finished and nickel-plated, and each is provided with a hard-rubber switch-board for making and breaking the current and changing the poles, a water rheostat, one plain and one interrupting handle, conducting cords and best quality sponge electrodes.

24-Cell.....	Price, \$27 00	50-Cell.....	Price, \$50 00
32- "	" 35 00	60 "	" 60 00
84-Cell.....	Price, \$82 00		

Batteries of same style, with fewer or more cells, made to order at short notice.

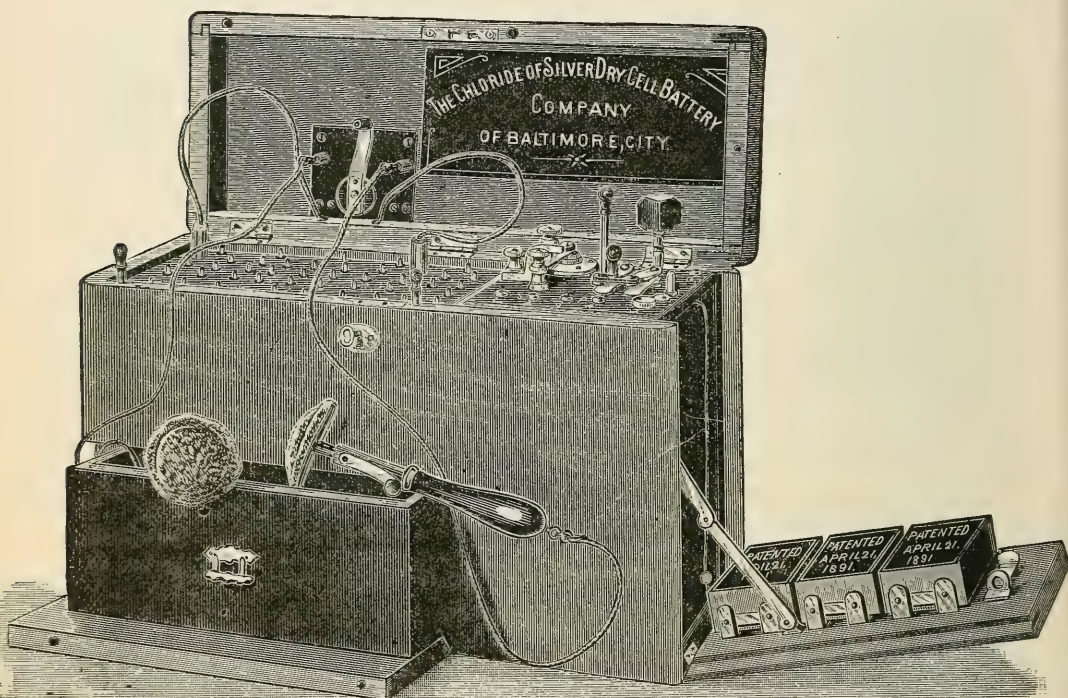


50-Cell (No. 1) Galvanic Battery—Case open, ready for work.

The capacity of these Batteries is 720 hours of actual work, based on the average resistance offered by the human body in ordinary work, which is generally conceded to be from 3,000 to 5,000 ohms. The cost of operating the 50-cell is $2\frac{1}{2}$ cents per hour. The others proportionately more or less, according to number of cells. Charge for Renewing and Restoring, per cell, 30 cents.

HAS TRUAX & GREENE

CHLORIDE OF SILVER DRY CELL BATTERIES.



No. 2—COMBINATION BATTERY.

Special attention is directed to the accompanying cut, which gives an illustration of the most perfect and Convenient Combination Battery, without exception, that has ever been offered.

For some time past orders for Combination Batteries have been on the increase, and as this indicated the great interest that the Chloride of Silver Dry Cell Batteries were exciting among the medical profession, and feeling convinced that the demand for instruments having the two currents could be still further increased, we have spared neither time nor expense in making such improvements upon our previous pattern as we feel sure will command the admiration of all.

The faradic part of this battery contains three cell blocks and they are arranged in the box in such a manner as to admit of either one, two or three of them being used at a time. For special work, requiring a very heavy current, the whole three cells can be used, while for ordinary work—in which but a moderate degree of strength is desired—it will not be necessary to use more than one or two of the cell blocks. The advantage of this arrangement will be apparent to all, as it permits a careful man to economize the life of his cells; and if proper care is observed they will last for a very long time. The faradic part is also provided with a current reverser, current breaker; and it is possible to obtain three currents from same, viz.: The primary (or so-called direct) current, the secondary (or induced) current, and a combination of the primary and secondary currents, while the arrangements for increasing and modifying the strength of currents are perfect.

NET PRICE-LIST OF COMBINATION BATTERIES.

50-Cell, complete, size $14\frac{1}{2} \times 10\frac{1}{2} \times 5\frac{3}{4}$, weight $16\frac{1}{4}$ pounds..	\$70 00
32-Cell, " " " " " " " " " " " "	55 00
24-Cell, " " " " " " " " " " " "	47 00
Charges for renewing and restoring each Galvanic Cell	30
Faradic Cell block to Combination	75



CHLORIDE OF SILVER DRY CELL BATTERIES.

No. 3—GALVANIC BATTERY.

This is a smaller and less complete constant-current Battery than the No. 1, and is intended for family as well as physicians' use, for electrolysis of small growths, hairs, etc.; in general for the treatment of cases which do not need or could not stand a very powerful current. Put up in strong, well-finished walnut boxes, with conducting cords and sponge electrodes.



No. 3.

Charge for Renewing and Restoring, 30 cents per cell.

6-Cell; size $4\frac{1}{2} \times 4\frac{1}{2} \times 5$Price, \$10 00

12 " " $5\frac{1}{2} \times 5\frac{1}{2} \times 5$ " 15 00

16 " " $5\frac{1}{2} \times 5\frac{1}{2} \times 5$ " 20 00

These Batteries will maintain the full strength of current for about 720 hours of actual work, based on the average resistance offered by the human body in ordinary work, which is generally conceded to be from 3,000 to 5,000 ohms. The cost of operating the 6-Cell Battery is one-quarter of a cent per hour. That of the others is in exact proportion, according to the number of cells.

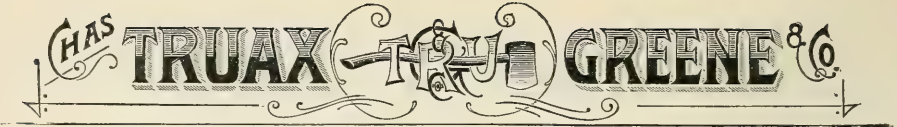
No. 4—MIL-AM-METER. Net Price, \$30 00.

Without discussing the question of the usefulness of this instrument in connection with medical galvanism—which seems as uncalled-for as to try to demonstrate the usefulness of the apothecary's scales in the administration of doses of other medicine—it will be sufficient to describe the peculiar merits of our present improved form of meter and its adaptability to the service of the physician.

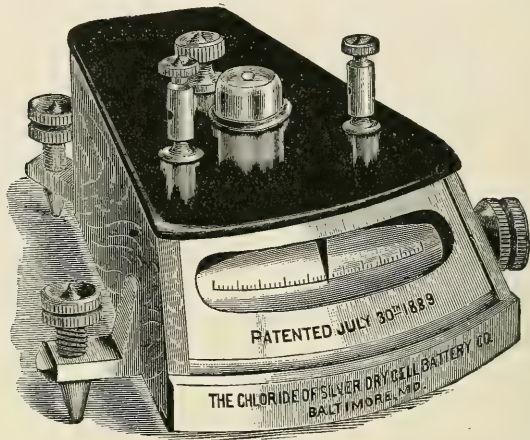
Experience has demonstrated to us just what are the desirable features to be embodied in an instrument of this kind, as will be recognized from the following:

1st.—An absolute electrical meter should be *accurate*. The best conditions for this accuracy are the use of short magnetic needles in connection with a long pointer. In our meter the magnetic needles are less than one inch long, while the pointer—made of aluminum for lightness—is four inches long, thus securing an extended indication on the scale for a very slight movement of the needles.

2d.—Such a meter should be as free as possible from changes due to changes of time and surroundings. This double object we accomplish by employing a horizontal movement and an astatic system of magnetic needles, controlled by a fixed magnet, which is permanently under the influence of an armature or keeper, for preserving a uniform degree of magnetism. Such a system of needles is free from the influence of the earth's magnetism and is the most constant in its action.



CHLORIDE OF SILVER DRY CELL BATTERIES.



No. 4—MIL-AM-METER. Net Price, \$30 00.

3d.—Friction must be entirely absent. This we accomplish by the use of a perfectly-pointed steel pivot, working in a concave jewel, as in the best absolute galvanometers known to electricity.

4th.—The free parts of the instrument must be provided against accidental displacement. This is attained by a simple detail of mechanism, so that the magnetic needles cannot get off the pivot, even if shaken wrong-side-up or otherwise roughly used. A simple-locking device also provides for lifting the needles from the pivot and holding them fixed for transportation.

5th.—A physician's Miliampere-meter should be readable from either a sitting or standing position. In our meter we pitch the face at the front at an angle which satisfactorily meets these points.

6th.—The perfect meter should have a wide range of measurement. This has been obtained in all other meters by a complicated and troublesome method of shunts, either by switches or plugs, involving the use of various multipliers in connection with a fixed scale. In our new meter, by an entirely new and wonderfully simple arrangement, we have provided for the widest possible compass, together with direct reading scales. Three independent reading scales are stamped at equal distances apart on the three faces of a celluloid roller. One of these scales is marked in 5 milampères, divided into halves. The second scale is divided into 25 milampères, and the third scale reads up to 250 milampères. This roller is placed in the face of the meter, under the end of the pointer, on a shaft which passes through the side of the case, and terminates in a button by which the roller may be turned.

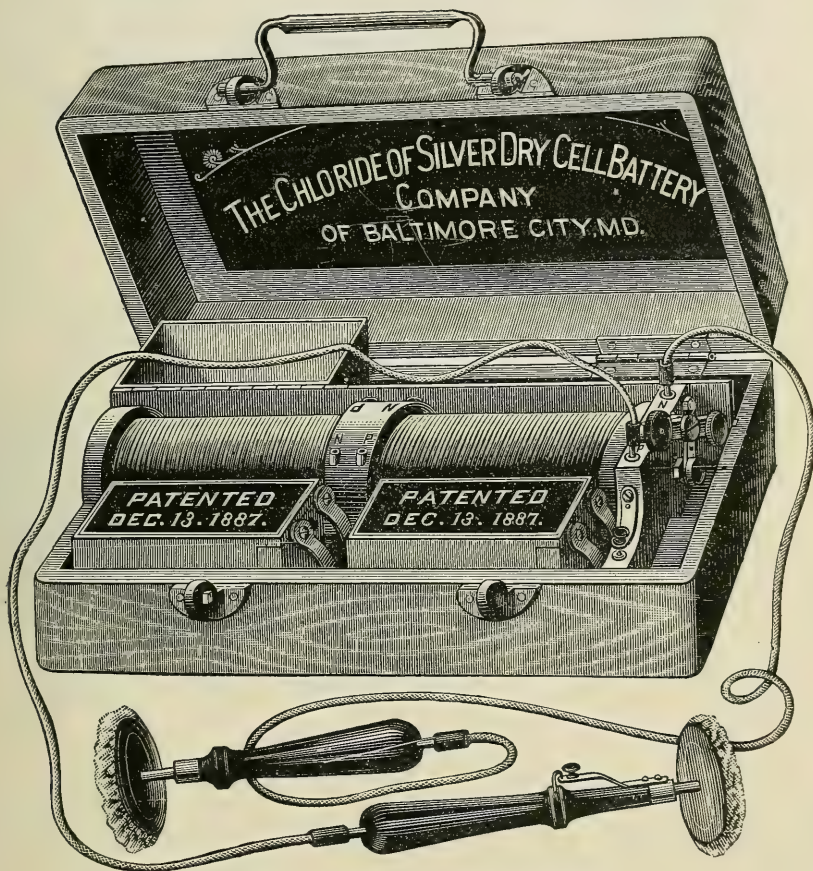
In connection with this roller is our novel device inside the case, by which, when the roller is turned so as to bring any one of the three scales to view under the pointer, the connections within the case are automatically adjusted so as to cause the meter to read directly and accurately, according to the scale so exposed to view. By this means the physician is saved the trouble of using multipliers with his scale readings, and has at command three separate scales meeting every desirable case, and each scale reading his measurements directly.

The satisfaction which physicians have in this novel and radical improvement in meters, together with the superiority of our meter in every other desirable characteristic, makes this instrument worthy of exclusive use among the profession of this country.

Price, net.....\$30 00

HAS TRUAX (TRY) GREENE & CO.

CHLORIDE OF SILVER DRY CELL BATTERIES.



No. 5.—DOUBLE COIL FARADIC.

An elegantly finished compact instrument. Metal parts of the best material possible; carefully adjusted and handsomely nickel-plated. It has two hermetically sealed cells, either one or both of which can be used as required; a Dubois-Raymond System Induction Coil, with interchangeable fine and course wire winding for secondary current on the outer bobbin; wire horse-shoe, for bringing primary current into circuit; plain and interrupting handles with best quality sponge electrodes and conducting cords, etc.

Put up in handsome hardwood box, with patent self-locking handle, which securely fastens the box and lid as soon as it is shut and attempt made to lift it.

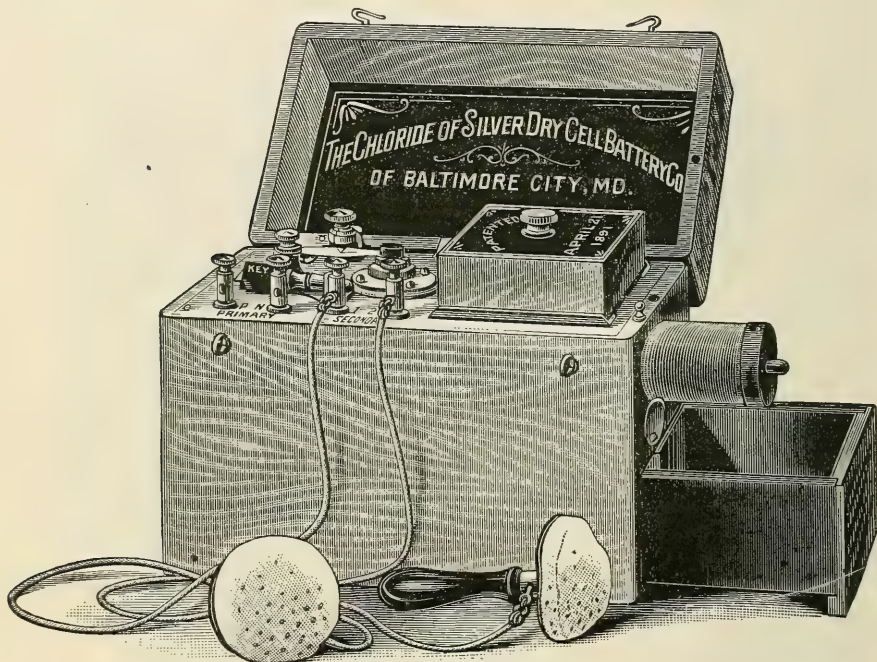
The cells of these Batteries will work 100 hours continuously and cost $1\frac{1}{2}$ cents per hour to operate.

PRICE OF BATTERY, COMPLETE, NET, \$20 00.

Charge for Renewing and Restoring Cell-Blocks, each, \$1 50.



CHLORIDE OF SILVER DRY CELL BATTERIES.



No. 6—"UPRIGHT" FARADIO BATTERY.

SIZE, 7x7½x5 INCHES.

This battery, designed especially for physicians' visiting use, is contained in a handsomely finished mahogany case, while all the metal parts are highly nickel-plated, presenting an extremely elegant appearance. The instrument will yield three currents: the primary (or so-called direct) current, the secondary (or induced) current, and a combination of the primary and the secondary currents. A new feature that we have adopted in connection with this battery, is the method of starting the current; this being accomplished by means of a contact key, which reduces the danger of short-circuiting to the minimum. The coil provided for this battery is rather longer than those used in instruments of its price, and enables the operator to increase the current strength very gradually, thus permitting him to apply it with safety to the most delicate child, or making it sufficiently strong so as to be suitable for his most robust patient.

A roomy compartment has been provided in the lower portion of battery case, in which will be found, viz.: 2 insulated handles, 2 sponge electrodes, 2 nickel-plated canulas, and 1 pair silk covered conducting cords.

The cell block of this battery will work 100 hours continuously; there is no waste when circuit is open, and it will cost but 1½ cents for each hour of actual work.

PRICE OF BATTERY, COMPLETE, NET, \$15.00.

Charge for Renewing and Restoring Cell-Block, \$1.50.

HAS TRUAX & CO. GREENE

CHLORIDE OF SILVER DRY CELL BATTERIES.



No. 7—POCKET FARADIC BATTERY.

This instrument is designed for the use of families as well as physicians, and is extremely handy, compact, durable and simple in its mechanism. It is put up in a handsome hardwood box—8½ inches long by 4½ inches wide and 2 inches deep—and furnished with a pair of conducting cords, one pair ebonite handles and one pair hollow metal electrodes. The induction coil, giving three currents,—primary, secondary and combined,—is of superior make and finish, and has no equal anywhere in the uniformity and smoothness of its current.

The cells of this Battery will work 100 hours continuously and cost 1½ cents per hour to operate. Each cell is secured in position on floor of its box by a verticle pin passing through it and held there by the large set screw shown in cut.

PRICE OF BATTERY, COMPLETE, NET, \$10.00.

Charge of Renewing and Restoring Cell-Block, \$1.50.

In this Battery we have met the want which every physician recognizes—an instrument of the type commonly known as the Pocket Battery—of beautiful finish and low price, with every quality satisfactory to the user, and with all the trouble and nastiness of the wet cell entirely banished. This Battery is a genuine triumph in this direction, combining perfection in every detail, together with a permanently closed Dry Cell, which in the use of the Battery does not have to be touched or treated in any way. To set the Battery in operation, open the cover and turn the switch; closing the cover breaks the circuit. We are sure these points will appeal to the experience of every one who has used, or desires to use a Pocket Battery.

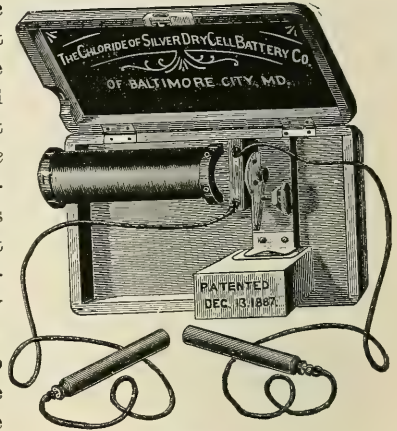


CHLORIDE OF SILVER DRY CELL BATTERIES.

A NEW FAMILY BATTERY.

"THE LORD BALTIMORE"

Very frequently physicians prescribe Faradic Batteries for their patients, and the intelligent doctor being fully aware that those which we manufactured were the cheapest, provided quality was taken into consideration, did not hesitate to recommend the purchase of a *Chloride of Silver Dry Cell Faradic Battery*; when, however, such an order reached our agents, it was found that a \$10 battery was the cheapest that could be obtained, and many customers not having this amount to spend, were compelled to buy an antiquated *troublesome acid or fluid battery*. Thinking that a *poor man* has as much right to possess a good battery as a *rich man*, we have constructed an instrument at a price within the reach of all, as shown in cut No. 7-A. It meets all the requirements of a cheap, but *first-class*, machine. The case is of hard wood, highly polished, and measures only 4x5x2 inches. It is not only the best made and cheapest faradic battery on the market, but it is also the most economical to maintain. No destructive acid! No corrosive materials! It is a *comfort at home*, and *invaluable while travelling*. It is so simple that a child can use it.



No. 7-A.

To start the current it is only necessary to place the cell block between the metal springs in such a way as to bring them and the metal strips on the sides of the block in good contact. See that the buzzer spring is properly adjusted, and the battery will work without further trouble or interference.

Owing to the care with which this battery is made, the *currents are perfectly smooth*. It will furnish a *primary*, a *secondary*, or a *combined current*, as desired. All three of the currents can be modified to suit the most *delicate child*, and can be increased to suit the requirements of the most *robust man*. The apparatus is provided with a pair of conducting cords, and a pair of handsome nickel-plated electrodes.

In this battery we have solved the problem of making a strictly first-class instrument at a *very moderate cost*, and we are convinced that, taking into consideration its *many excellent qualities*, its completeness and its fine finish, that it is the cheapest battery on the market to-day.

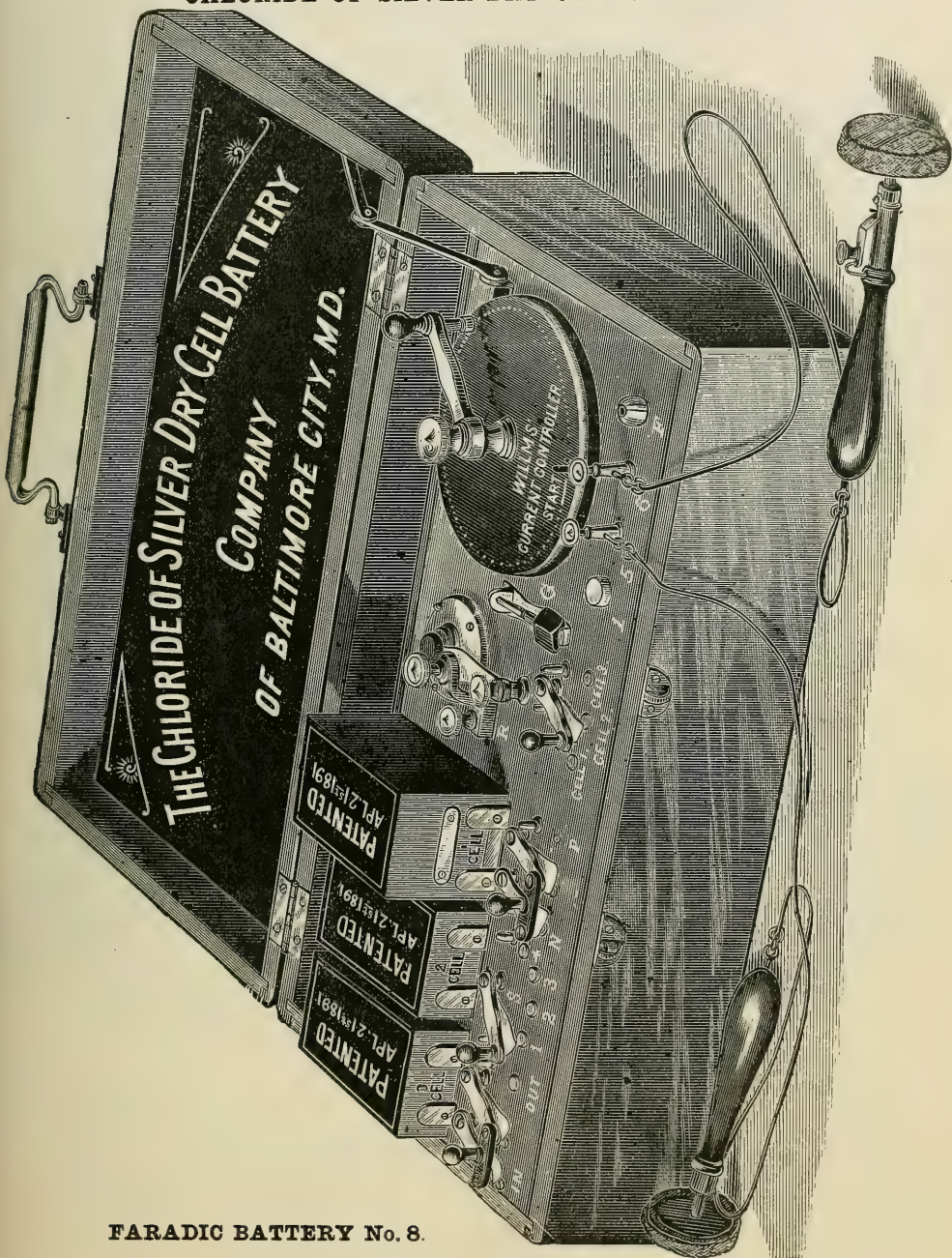
Price of Battery, complete.....Net, \$6 50
 Price of renewing and restoring cell block when it becomes exhausted..... 75

LIFE OF BATTERY CELLS FORTY HOURS.

If cell block is ordered to be returned by mail, add 6c. to cover postage.

HAS TRUAX & CO. GREENE

CHLORIDE OF SILVER DRY CELL BATTERIES.



FARADIC BATTERY No. 8.



CHLORIDE OF SILVER DRY CELL BATTERIES.

PHYSICIANS' FARADIC BATTERY, No. 8.

The foregoing cut is a good illustration of this *new battery*, which is now ready for the market, and we have no hesitation in claiming it to be the *finest faradic electrical apparatus* on the market to-day. The price has been placed at a very reasonable figure, and those who wish to secure a most *complete and valuable instrument* are now in position of doing so.

The battery is composed of three cell blocks, capable of furnishing a very wide range of current, and by means of the switch immediately to the front of the vibrator spring the operator can throw either one, two, or the whole three cell blocks in circuit; this being an extremely convenient arrangement, as, in the majority of cases but a moderate degree of strength is required, and it is thus possible to use one or two of the blocks for ordinary work, reserving the third for special cases requiring a very strong current. Careful management will permit the owner to *economize the life of the cells* very much by means of this arrangement.

The instrument is provided with a primary and four distinct secondaries, with switches for controlling each, while provisions have also been made for combining the primary with each one of the secondaries, thus securing nine different currents. The switch in front of the first cell block is the current reverser, and the ivory button "1" immediately to the left of the binding post "5" is the current breaker for making and breaking the current.

It will be noticed that there are no coils exposed to view; these are concealed under the battery plate, and the current strength is increased or diminished by means of a "Willms" dry current controller, which is placed in the circuit. *Special attention* is requested to this arrangement, for we are the *first house in the world to place a portable faradic apparatus on the market, in which the current is controlled in this manner*, and it is so infinitely superior to the old method of varying the current by moving one coil over the other, that there is really no comparison between the two. In using the current controller, the increase or decrease of strength is so gradual that it is much more pleasant for the patient, and this can be specially noticed in mucous membrane and other sensitive portions of the human body.

The battery and mechanical parts composing the instrument are enclosed in a finely-polished mahogany case, and the latter is provided with our patent self-locking handle, of same pattern as that which we use on the double coil battery, No. 5.

PRICE OF BATTERY, NET, \$35.00

SIZE, $15\frac{1}{4} \times 9\frac{1}{2} \times 6$ INCHES.

Life of each cell block when used separately, 100 hours, or an average life of about 150 hours for the three.

NOTE.—Just before going to press, we completed arrangements for a very important improvement in the No. 8 battery described above, and which lack of time has not permitted us to illustrate in the cut of this instrument. Each one of these batteries that we shall send out in the future, will contain both rapid and slow rheotome, in addition to the other novel features already referred to, while no extra charge will be made for same, notwithstanding the increased cost to the manufacturer. This instrument needs but to be seen to be at once appreciated.

HAS TRUAX & GREENE & CO.

CHLORIDE OF SILVER DRY CELL BATTERIES.



GALVANIC BATTERY OF FIFTY CELLS CONTAINING MIL-AM-METER
AND "WILLMS" DRY CURRENT CONTROLLER.



CHLORIDE OF SILVER DRY CELL BATTERIES.

**GALVANIC BATTERIES OF TWENTY-FIVE OR MORE CELLS, WITH
A "WILLMS" DRY CURRENT CONTROLLER PLACED
PERMANENTLY IN THE CIRCUIT.**

These batteries are again something entirely novel in the electro-medical field, and their importance cannot be over-estimated, for it has heretofore been impossible to obtain an instrument of this character, while the advantages to be derived from the use of similarly constructed apparatus has long been admitted and commented upon. In the instrument described in head lines above, there are a number of cells, arranged in series, and concealed from view by a handsomely finished top plate; the terminals being connected with the mechanism which is exposed to view, and which at the same time is exceedingly simple in its arrangement, consisting as it does of two binding posts for the reception of the conducting cords, a current reverser, a cell selector for placing exactly the number of cells required in the circuit, and last but not least, a dry rheostat or current controller for maintaining an equality in variation of current strength, and making it possible to work about the most sensitive portions of the human body with safety and comfort. Quoting from the letter of an eminent member of the profession residing in Philadelphia, this gentleman, in the course of his correspondence with us on electrical matters, remarks: "With "dry" cells, "dry current controller" (in reality and not in theory), with the elegantly made accessories, and with the thoroughness and beauty of construction throughout, both in parts open and concealed from sight, it would be difficult to find an opportunity for criticism other than in favor of this elegant apparatus. How any doctor can use the antiquated acid affairs with their eternal failure to work, their dirt and bad smells, their inconstancy and roughness, and their cost for incessant repairs, when the facture of your workshops is open to him at a cost so low as to leave competition out of the question altogether (value alone being considered), is a mystery to me."

The cut on preceding page represents a 50-cell galvanic battery, with a fine mil-am-meter, and "Willms" dry current controller placed permanently in the circuit, and gives a good idea of the appearance of the three following styles:

PRICE-LIST. (NET.)

Galvanic batteries with "Willms" dry current controller.

25 cells, price.....	\$43 00
35 cells, price.....	52 00
50 cells, price.....	65 00

Galvanic batteries with mil-am-meter and "Willms" dry current controller.

25 cells, price.....	\$63 00
35 cells, price.....	72 00
50 cells, price.....	85 00

Galvanic batteries with mil-am-meter, "Willms" dry current controller, and a complete faradic part containing primary, four secondaries, dry rheostat, rapid and slow rheotome, and all accessories as furnished with the No. 8 battery described on foregoing pages.

25 cells, price.....	\$ 90 00
35 cells, price.....	98 00
50 cells, price.....	115 00

All of these instruments are very convenient in size and shape, and perfectly portable.



DIRECTIONS FOR MAKING BATTERY FLUIDS.

Any one of the following different formulae will answer well for the manufacture of fluid for batteries of the zinc-carbon type, though preference is given by most practitioners to Nos. 1 and 2.

GALVANIC AND FARADIC.

No. 1.—Sulphuric acid, (commercial) 18 fluid oz.; Powd. Bichromate of Potass. 14 oz.; Water, 112 fluid oz.; Bisulphate of Mercury, 14 drachms. Dissolve the Bisulphate of Mercury in the Water, then add the Bichromate of Potass. When dissolved, pour in the Sulphuric Acid and allow the liquid to cool, as the mingling of the acid and water produces heat; if the mixture is used when warm it injures the battery.

The Bisulphate of Mercury keeps the zincs well amalgamated.

No. 2.—Dissolve four (4) ounces of bi-chromate of soda in one (1) quart of hot water, in an earthenware or glazed iron vessel. When cooled off, add to it four (4) fluid ounces commercial sulphuric acid and one-half ($\frac{1}{2}$) ounce of bi-sulphate of mercury. Mix well. The addition of bisulphate of mercury, while it may be dispensed with, tends toward improving the condition of the zinc plates.

No. 3.—Dissolve one and a half ($1\frac{1}{2}$) ounces of bi-chromate of potassium in twenty-four (24) fluid ounces of hot water, in an earthenware vessel and add to it three-fourths ($\frac{3}{4}$) ounces of saltpetre. Allow it to cool to the temperature of the air, and add three (3) fluid ounces of commercial sulphuric acid. When cold again, add a solution of one-half ($\frac{1}{2}$) ounce of bi-sulphate of mercury in three (3) fluid ounces of cold water, with a little sulphuric acid added to it. This quantum will yield one quart of the battery fluid and should not be used until cold.

No. 4.—Into one gallon of water put eight ounces of commercial sulphuric acid, stir thoroughly and add eight ounces of pulverized bichromate of potash, stir thoroughly until it is all dissolved. Use when cool.

CAUTERY.

No. 5.—Dissolve one (1) pound (avoirdupois) of bi-chromate of potash in one (1) gallon of boiling water, and when cold add twenty-four (24) fluid ounces of commercial sulphuric acid. When this is cold, add eight (8) fluid ounces of a saturated solution of nitrate of ammonium in nitric acid, and add a solution of one and a half ($1\frac{1}{2}$) ounces of bi-sulphate of mercury in one (1) pint of cold water. Use the fluid when cold; it will, if made up in quantity and bottled, keep for any length of time.

No. 6.—Dissolve sixteen (16) ounces of bi-chromate of soda in one (1) gall. of hot water in an earthenware or glazed iron vessel. When cooled to the temperature of the air, add to it eighteen (18) fluid ounces of commercial sulphuric acid and three (3) ounces of bisulphate of mercury. Mix well and use when cold.

AMALGAMATING OR MERCURY SOLUTION.

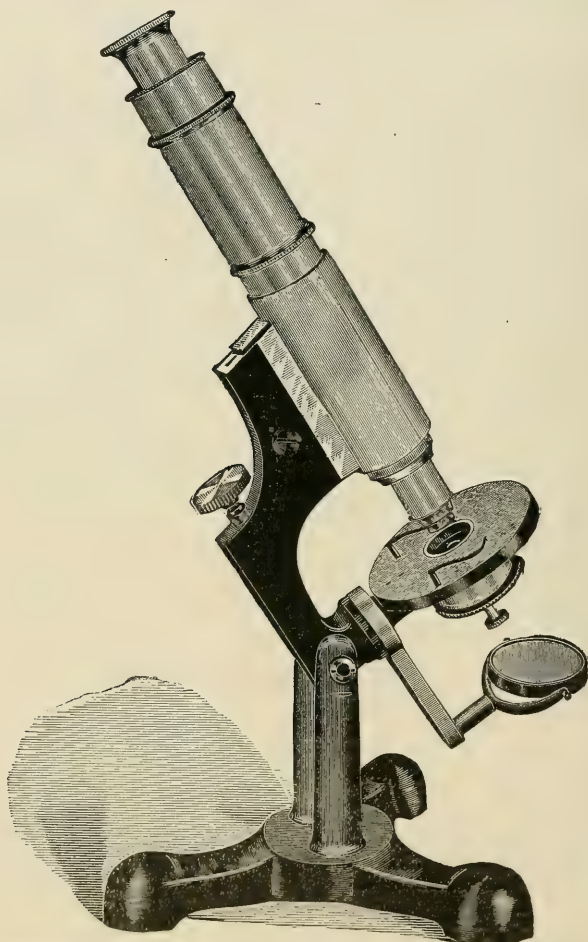
Suitable for the Zincs of all Galvanic, Faradic and Cautery Batteries.

No. 7.—Mix in an earthenware, covered vessel, one (1) pound nitric acid, with two (2) pounds of muriatic acid, to which add eight (8) ounces of metallic mercury. Let stand 5 to 6 hours or longer and then add three (3) pounds more muriatic acid. This solution should be kept in a covered vessel and may be used many times.

Electrode, Einhorn's, Deglutible or Stomach Net, \$2 25



TRUAX, GREENE & CO'S MICROSCOPES.



THE PRACTITIONER'S MICROSCOPE, NO. 2.

Price, with one eye-piece, in case, no objective.....\$20 00

Price, with one eye-piece, in case, one-fourth, one-half and one-inch Student's Dividing Objective, giving 100, 200 and 400 diameters..... 28 00

Price, with Gundlach's Dividing, one-fourth and one-inch objective, giving 100 and 400 diameters, 32 00

This microscope is designed to meet the wants of schools, colleges, and those who need a well-made instrument at a low price. Height with draw-tube closed, 11 $\frac{1}{2}$ inches; draw-tube open, 14 inches. The base, arm and pillars are neatly japanned; the arm is securely held between two pillars by a strong steel pinion, which allows the inclination of the body at an angle.

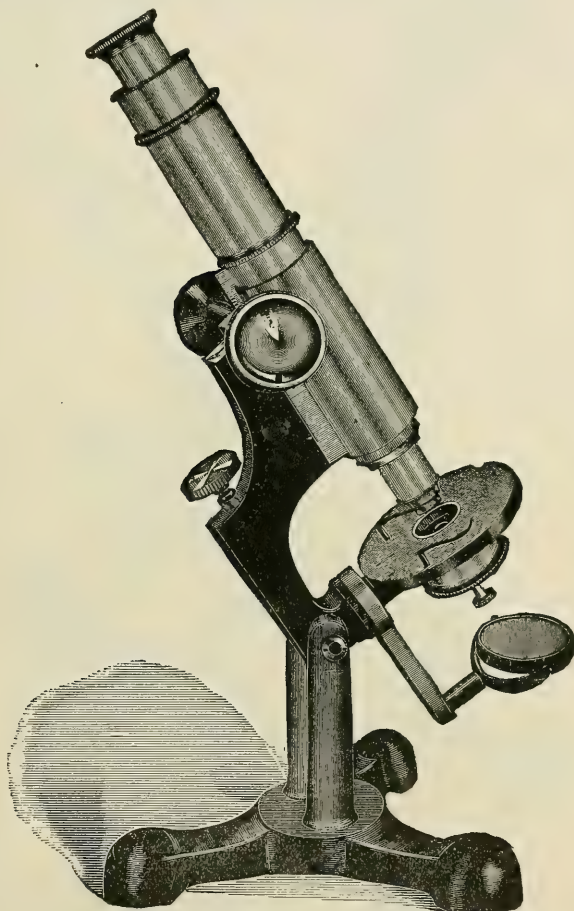
The body tube is large (one and three-eighths inches diameter), and carries the draw-tube (one and one-fourth inches inside diameter), which holds the eye-piece.

The sub-stage ring carries an adjustable diaphragm. All accessories can be used on this stand without any change. It has a mirror-bar, carrying plane and concave mirror, which may be swung above the stage for the illumination of opaque objects.

The coarse adjustment is by means of a sliding tube, which gives a smooth and firm movement. The fine adjustment is delicate, and will do the work of the finest instrument.

HAS TRUAX & CO GREENE

TRUAX, GREENE & CO'S MICROSCOPES.



THE PRACTITIONER'S MICROSCOPE, No. 1.

Price, with one eye-piece, in case, no objective.....\$25 00

Price, with one eye-piece, one-fourth, one-half and one inch Student's
Dividing Objective, giving 100, 200 and 400 diameters..... 33 00

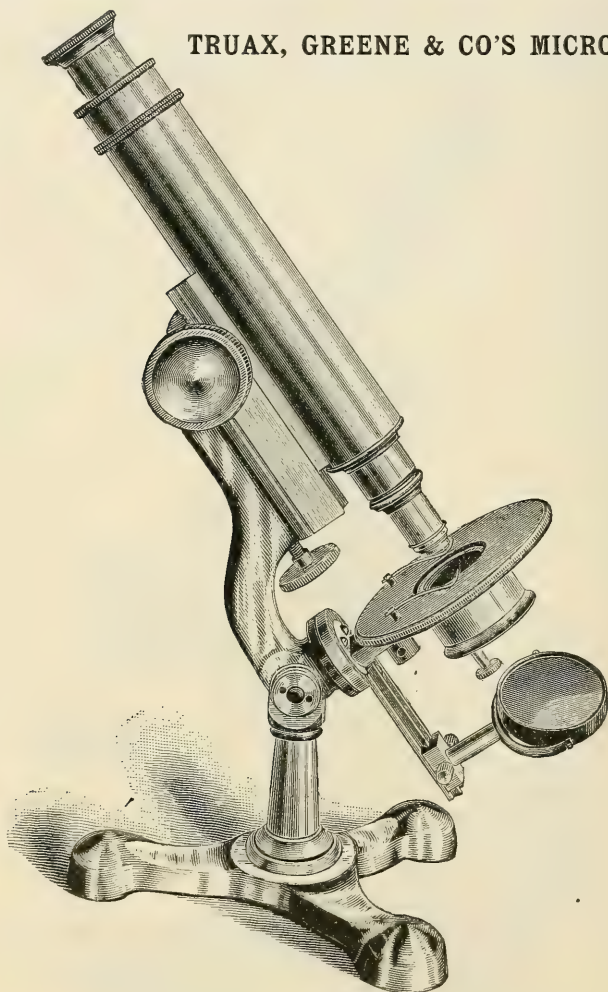
Price, with one-fourth and one inch Gundlach's Dividing Objective,
giving 100 and 400 diameters..... 37 00

This microscope is constructed after the same model as our Practitioner's No. 2—
is the same size, and the working parts are the same, with the addition of a rack and
pinion movement of long range for coarse adjustment, which works perfectly smooth
and steady.

We believe there is no microscope on the market for the above price that will
compare with this instrument.

CHAS. TRUAX & CO. GREENE & CO.

TRUAX, GREENE & CO'S MICROSCOPES.



THE MEDICAL MICROSCOPE, No. 2.

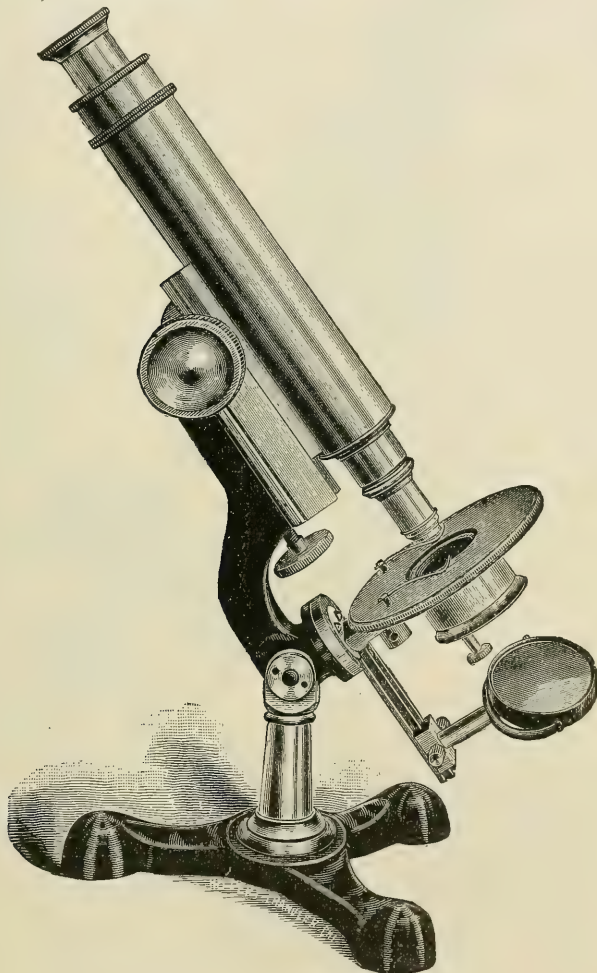
Price, with one eye-piece (no objective).....	\$35 00
Price, " " " and $\frac{1}{4}$ and 1 inch Dividing Objective.....	47 00
Price, " " " one $\frac{1}{4}$ and 1 inch Dividing Objective, also one $\frac{1}{8}$ inch Objective, giving 100, 400 and 800 diameters.....	65 00

Our Medical Microscope No. 2 is designed to meet the wants of those who need a moderate priced, substantial and accurately working instrument. It is especially adapted to the physician in his clinical work. The base and arm are finely japanned; the pillar is made of lacquered brass, and the joint has strong steel bearings. The body tube is $6\frac{1}{4}$ inches long, and $1\frac{3}{4}$ inches in diameter, and is provided with the society screw. The draw tube is nickel-plated, 6 inches in length, with an inside diameter $1\frac{1}{4}$ inches. The coarse adjustment is made with rack and pinion of long range, which works perfectly smooth. The fine adjustment is made with a milled head screw, which moves the entire body, and is capable of focusing the highest powers. It has a circular rotating stage, $3\frac{3}{4}$ inches in diameter, blackened to cut off

HAS TRUAX & CO GREENE & CO

TRUAX, GREENE & CO'S MICROSCOPES.

reflection; a movable sub-stage ring and diaphragm. The mirror is plane on one surface, concave on the other, and slides on a radial arm which can be swung in a circle above the stage for the illumination of opaque objects. The stand with draw tube closed is 14 inches high, and is furnished packed in a nicely finished mahogany case, with drawer, lock and handle.



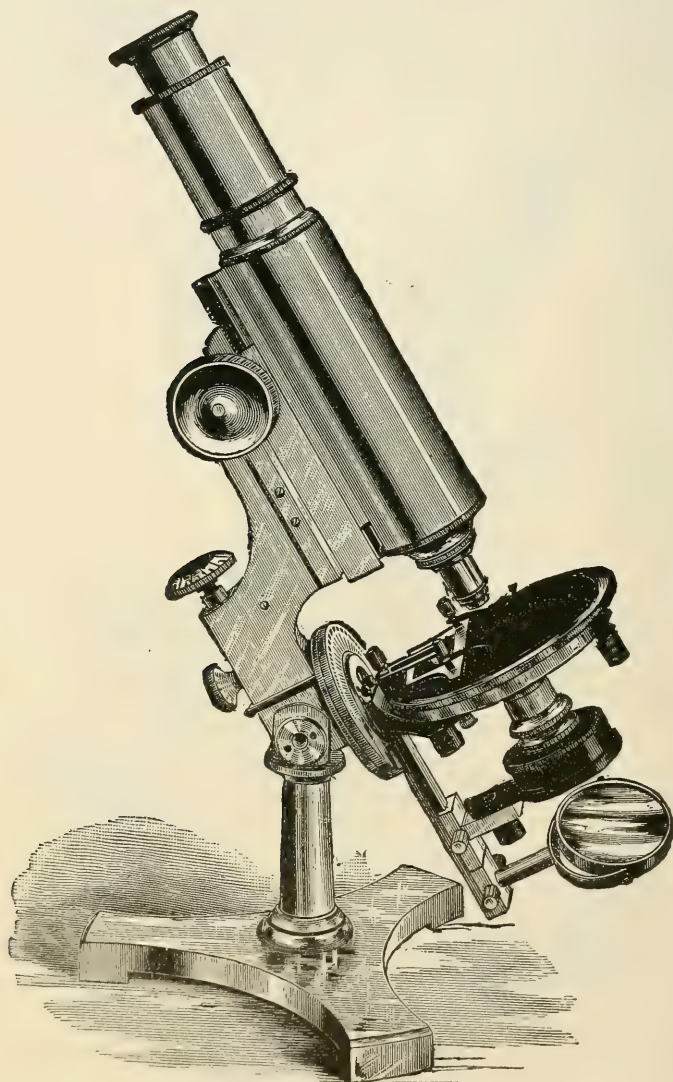
MEDICAL MICROSCOPE, No. 1.

Price, with one eye-piece (without Objective).....	\$45 00
Price, " " and $\frac{1}{4}$ and 1 inch Dividing Objective.....	57 00
Price, " " one $\frac{1}{4}$ and 1 inch Dividing Objective, also one $\frac{1}{8}$ inch	
Objective, giving 100, 400 and 800 diameters	75 00

This microscope is constructed after the same model as our Medical No. 2 and has the same working parts. It differs from it in being more finely finished, and having the base and arm of lacquered brass instead of being japanned.



TRUAX, GREENE & CO'S MICROSCOPES.

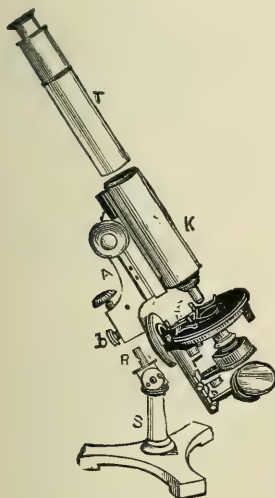


PHYSICIANS' BEST MICROSCOPE.

Price, with one eye-piece (no objective), in handsome polished mahogany case.	\$ 65 00
Price, with two eye-pieces and two objectives, series II, viz.: $\frac{1}{8}$ and 1 inch giving 50, 100, 250 and 500 diameters.	90 00
Price, with two eye-pieces and three objectives, series II, viz.: $\frac{1}{8}$, $\frac{1}{4}$ and 1 inch giving 50, 100, 250, 400, 500 and 800 diameters.	108 00



TRUAX, GREENE & CO'S MICROSCOPES.



M No. 2.

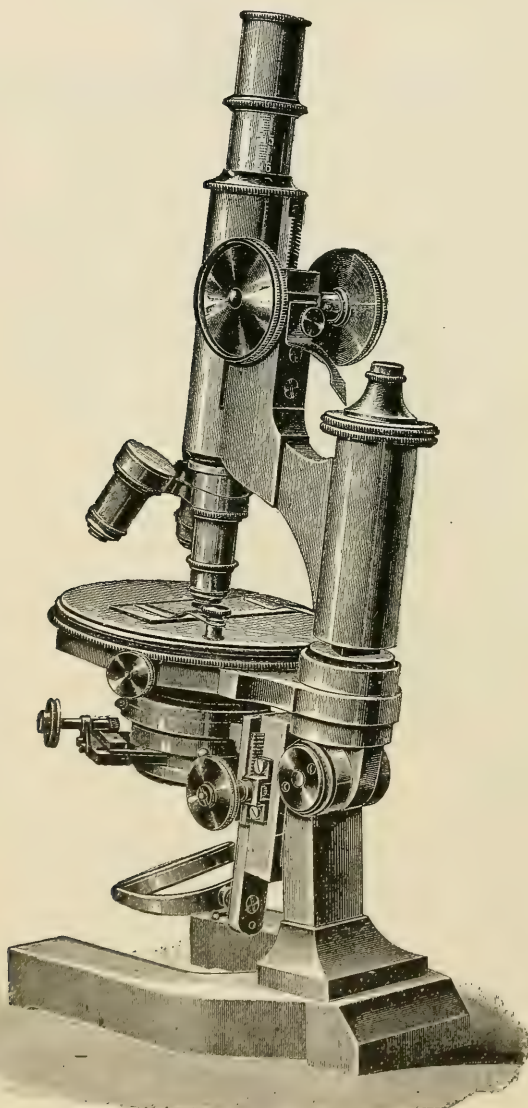
This microscope, in its new and improved form, is the outcome of years of experiment to perfect an instrument adapted to the higher grades of work, that could be furnished at a more moderate price than has hitherto been obtainable.

This mechanism is perfect and finely finished; nothing essential being wanting to make it fully equal to all the demands of professional microscopic investigation. The base is broad and sufficiently heavy to secure firm and steady support. The pillar and arm are of solid brass; and the joint connecting them has strong steel bearings. The arm can be removed from the base by loosening the thumb-screw at the back, and the working part of the instrument may be removed for use as a solar microscope or with the stereopticon for projection. By reference to the diagram the parts are shown separated, K representing the instrument with stand S and draw-tube T removed; the adapting ring for connecting with Solar Apparatus or Lantern is beneath the stage but not shown in cut. The device for connecting the stand and arm is independent of the joint and does not interfere with its movement or weaken it in the least. This is a feature of our professional microscope exclusively; the method

of fastening R in arm A secures perfect solidity and freedom from motion or unsteadiness as complete as if they were united by a solid junction. The height of stand with draw-tube closed is 15 inches; with draw-tube open, 18 inches. Diameter of body-tube, $1\frac{1}{2}$ inches. The size of this tube adapts it to projection or photography, as the rays of light passing through the objective are not cut off. It has the Society Screw and the Broad Butterfield Gauge, which will admit of using objectives of low power with large lenses of wide angle, and also a large analyzing prism. Inside the body-tube is an extra spring-tube carrying a nickel-plated draw-tube; this device insures an even, smooth movement of the draw-tube. The inside diameter of the latter is $1\frac{1}{4}$ inches, length 7 inches; the lower end has the Society Screw, which allows the use of objectives of the lowest powers, having long working distance. The size of draw-tube is the same in all standard instruments, therefore an eye-piece of standard size can be used. The coarse adjustment is made with a very smooth-working rack and pinion of long range. The fine adjustment is unequalled; it is without friction, and being adjustable makes a very delicate movement that is not liable to get out of order. It is made with a large, graduated milled head, micrometer screw which moves the entire body-tube parallel with the axis of the objective. The large, concentric, rotating stage consists of a brass frame in which is set a circle of plate glass forming the upper surface of the stage. A slide carrier moves on this plate, over the field of the lens, and is held in position by ivory points pressing upon the glass plate forming a part of the carrier; this gives very smooth motion and reduces friction to a minimum. Beneath the stage are adjusting screws. The mirror-bar moves on a graduated circle, carrying the sliding mirror, diaphragm, sub-stage, adapter, etc. The bar swings above the stage for illuminating opaque objects. Special attention is called to the device, already described, whereby the working parts are convertible into a solar or projection microscope. Photo-micrography, which is now popular with microscopists, becomes convenient with this microscope and a suitable camera. Instantaneous photographs of living animalculæ can be made with direct sunlight, therefore it is evident that an instrument that can be adjusted to this work without impairing its value as a monocular, offers special advantages to the naturalist and investigators generally.



LEITZ MICROSCOPES.



LEITZ' STAND, 1.

The reputation of Microscopes manufactured by E. Leitz, of Wetzlar, Germany, is too universally established to call for any comment on our part. It is sufficient to state that our stock embraces this make of far-famed microscopes.

No. 2, Large Microscope, described briefly as follows: Inclinable, round, revolving and centering stage, serving nearly all the purposes of the mechanical stage; coarse adjustment by rack and pinion; fine adjustment by micrometer screw, with degree scale on milled head; draw tube with millimeter scale. The accessories are—

Abbe Condenser, rack and pinion movement, with iris diaphragm,

Triple nose-piece,

Camera lucida, after Abbe.

Eye-piece micrometer.

Four eye-pieces.

Four objectives, viz: 2 in., $\frac{1}{2}$ in., $\frac{1}{3}$ in., and oil immersion $\frac{1}{3}$ in.

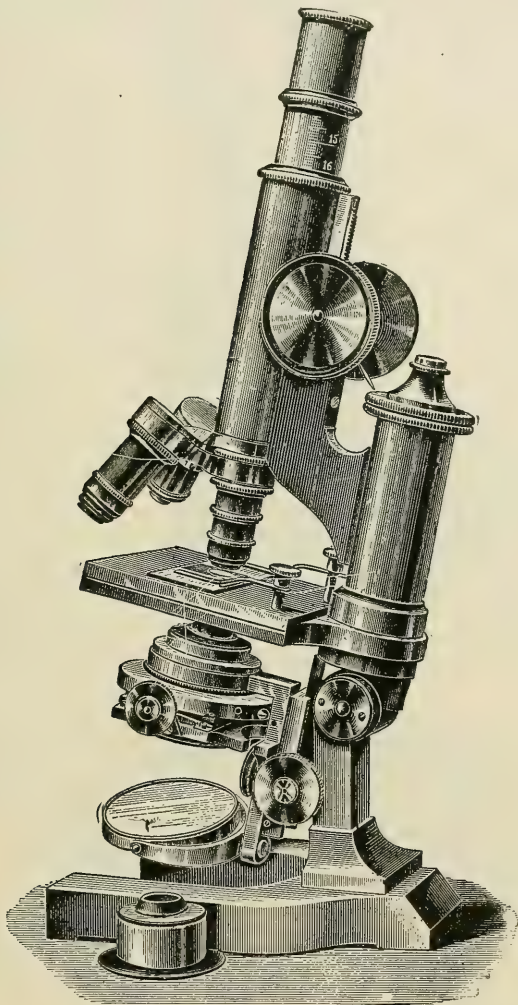
Magnification from 16 to 1 200 diameters.

Price, in upright polished wood case.....\$250 00

Leitz Microscopes imported duty free for colleges and hospitals.

HAS TRUAX & GREENE⁸⁶

LEITZ MICROSCOPES.



LEITZ' STAND, I-a.

No. 5. Large Microscope, briefly described as follows: Inclinable, with fixed stage, coarse adjustment by rack and pinion; fine adjustment by micrometer screw, with graduated head; draw tube with millimeter scale. The accessories are:

Abbe condenser, rack and pinion movement, with iris diaphragm.

Triple nose-piece.

Three eye-pieces.

Three objectives, viz.: 1 inch, $\frac{1}{2}$ inch, and oil immersion $\frac{1}{8}$ inch.

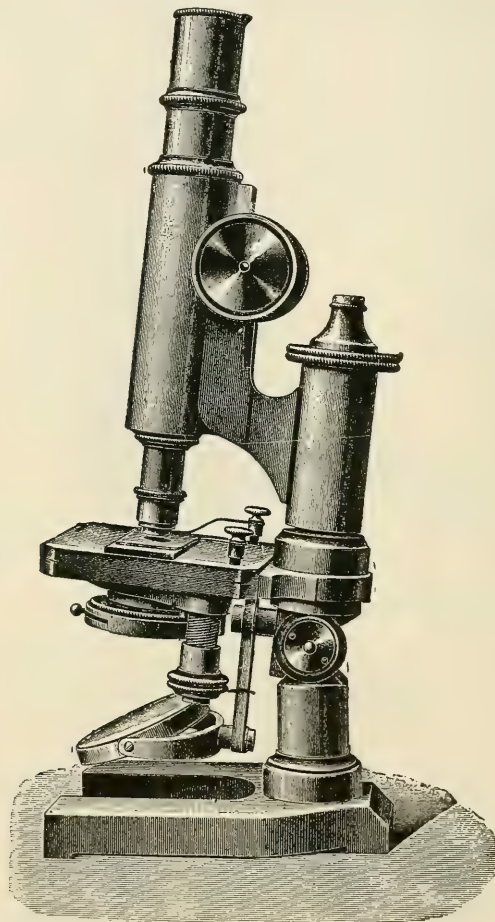
Magnification from 57 to 850 diameters.

Price, in upright polished wood case.....\$177 50

We will import Leitz Microscopes for colleges and hospitals, duty free.

HAS TRUAX & GREENE & Co.

LEITZ MICROSCOPES.



LEITZ' STAND, II.

No. 9. Medium Size Microscope, inclinable; coarse adjustment by rack and pinion; fine adjustment by micrometer screw. The accessories are:

Abbe condenser with iris diaphragm.

Three eye-pieces.

Four objectives, viz.: 1 in., $\frac{1}{4}$ in., $\frac{1}{8}$ in., and oil immersion $\frac{1}{12}$ in.

Magnification from 57 to 850 Diameters.

Price, in upright polished wood case.....\$152 50

No. 13. The same without condenser, but with

Two eye-pieces.

Two objectives, viz.: 1 in. and $\frac{1}{8}$ in.

Magnification, 57 to 480 Diameters.

Price, in upright polished wood case.....\$72 50

We shall be pleased to furnish estimates on Leitz' Microscopes with any combinations other than we have specified.

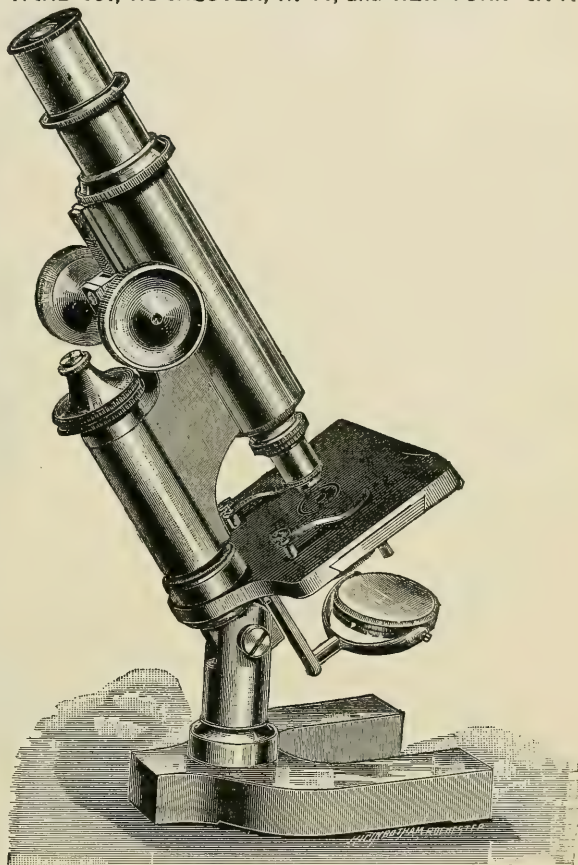
We will import Leitz' Microscopes for colleges and hospitals, duty free.

HAS TRUAX & GREENE & CO.

MICROSCOPES

Made by BAUSCH & LOMB OPTICAL CO., ROCHESTER, N. Y., and NEW YORK CITY.

This microscope is made of brass throughout, highly polished and lacquered. The base is of large dimensions; stage also of large size having groove provided on its lower surface for slide with cylinder diaphragms. This slide may be replaced by one carrying sub-stage ring with dome diaphragm to which condensers can be fitted, (purchaser can select either). Fine adjustment is by micrometer screw; coarse adjustment by rack and pinion. Main tube has draw-tube, and is graduated in millimeters. Polished cherry-wood case accompanies each outfit.



BB—Continental Microscope, Medium. (Cut one-third of actual size.)

BB. Stand with 1 eye-piece (any power), no objectives.....	\$35 00
BB1. Stand with 1 eye-piece and $\frac{2}{8}$ in. and $\frac{1}{8}$ in. objectives, +50+480 diam....	57 00
BB2. Stand with 1 eye-piece and 2 in., $\frac{2}{8}$ in. and $\frac{1}{8}$ in. objectives, +35+to+400 diam.....	63 00
BB3. Stand with 2 eye-pieces and $\frac{2}{8}$ in. and $\frac{1}{8}$ in. objectives, +30 to+400 diam.	60 00
BB4. Stand with 2 eye-pieces and 2 in., $\frac{2}{8}$ in. and $\frac{1}{8}$ in. objectives, +20 to+400 diam.....	66 00
BB5. Stand with 2 eye-pieces and $\frac{2}{8}$ in., $\frac{1}{8}$ in. and $\frac{1}{2}$ in. oil immersion, objectives, +30 to+1,200 diam.....	105 00
BB6. Stand with 2 eye-pieces and 2 in., $\frac{2}{8}$ in., $\frac{1}{8}$ in. and $\frac{1}{2}$ in. oil immersion, objectives, +20 to+1,200 diam.....	111 00
Abbe condenser, 1.20 N. A., in mounting, with iris diaphragm, extra....	14 00
Abbe condenser, 1.42 N. A., in mounting, " " " "	16 00
Double nose-piece, brass finish, extra.....	5 00
Triple nose-piece, brass finish, extra.....	9 00

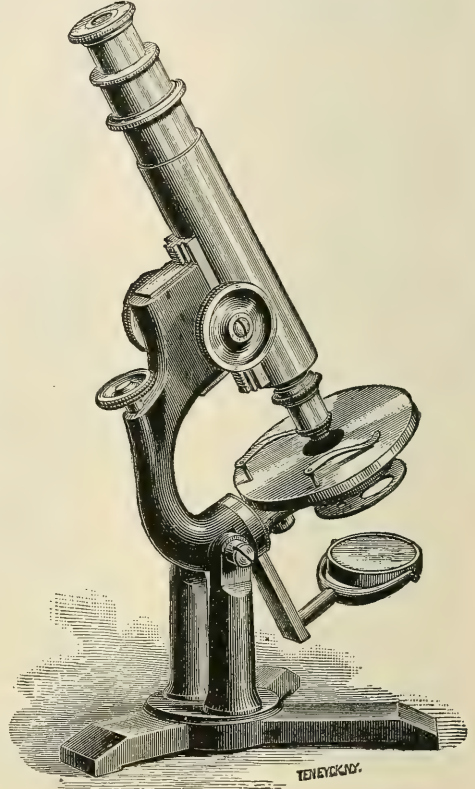
Complete Illustrated catalogue (13th edition) mailed free to any address; send for it; contains matter of much interest to physicians.



BAUSCH & LOMB OPTICAL CO. MICROSCOPES.

The tripod base, pillars and arm are neatly japanned, coarse adjustment is by rack and pinion, fine adjustment by delicate micrometer screw. The stage is of brass; attached to its lower surface is a sub-stage ring carrying dome diaphragm. Main tube has cloth lining in which graduated draw-tube is fitted; mirrors are plane and concave and adjustable on the mirror base.

Polished cherry-wood case accompanies each outfit.



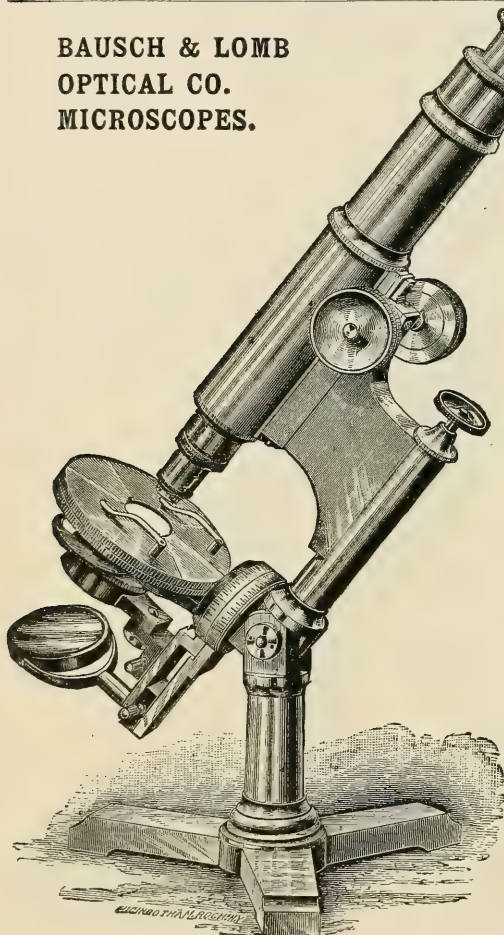
F—Model Microscope. (Cut one-third of actual size.)

F. Stand with 1 eye-piece (any power), no objectives.....	\$25 00
F1. Stand with 1 eye-piece and $\frac{3}{4}$ in. and $\frac{1}{8}$ in. objectives, +70+400 diam.....	48 00
F2. Stand with 1 eye-piece and 2 in., $\frac{3}{4}$ in. and $\frac{1}{8}$ in. objectives, +35+70+400 diam.....	54 00
F3. Stand with 2 eye-pieces and $\frac{3}{4}$ in. and $\frac{1}{8}$ in. objectives, +50 to +400 diam..	52 00
F4. Stand with 2 eye-pieces and 2 in., $\frac{3}{4}$ in. and $\frac{1}{8}$ in. objectives, +25 to 400 diam	58 00
F5. Stand with 2 eye-pieces and $\frac{3}{4}$ in., $\frac{1}{8}$ in. and $\frac{1}{2}$ in. oil immersion, objectives, + 50 to + 1,200 diam.....	97 00
F6. Stand with 2 eye-pieces and 2 in., $\frac{3}{4}$ in., $\frac{1}{8}$ in. and $\frac{1}{2}$ in. oil immersion, objectives, + 25 to + 1,200 diam.....	103 00
Revolving stage, with removable spring clips, extra.....	5 00
Glass stage with slide carrier, which slips over either plain or revolving stages, extra.....	5 00
Graduated mirror bar, with mirror and sub-stage (both adjustable), in place of one accompanying stand, extra.....	5 00
Abbe condenser, 1.20 N. A., in mounting, with iris diaphragm, extra.....	14 00
Abbe condenser, 1.42 N. A., in mounting, " " " ".....	16 00
Mechanical stage, in place of the regular, extra.....	18 00
Double nose-piece, brass finish, extra.....	5 00
Triple nose-piece, brass finish, extra.....	9 00

Complete illustrated catalogue (13th edition) mailed free to any address; send for it; contains matter of much interest to physicians.

CHAS. TRUAX & CO. GREENE & CO.

BAUSCH & LOMB OPTICAL CO. MICROSCOPES.



The base is of the tripod form and made of brass. The bronze pillar is large, and connected by joint for inclination of the arm. The coarse adjustment is by rack and pinion; the fine adjustment is by micrometer screw. The main tube has two draw-tubes, one being graduated, provided with cloth-lining. The stage has concentric, revolving motion with removable spring clips. The mirrors are plane and concave; both these and the sub-stage, carrying dome diaphragm, are adjustable on their respective bars; the circular bearings of these are large and are graduated to degrees and silvered. The mirror and sub-stage bars have their axis in the plane of the stage and move independent of one another or together to any obliquity below or above the stage. A steel pin for centering stage and sub-stage accompanies the instrument.

J—Universal Microscope. (Cut one-third of actual size.)

J.	Stand with 1 eye-piece (any power) no objectives	\$55 00
J1.	Stand with 1 eye-piece and $\frac{3}{4}$ in. and $\frac{1}{8}$ in. objectives, +70+400 diam	78 00
J2.	Stand with 1 eye-piece and 2 in., $\frac{3}{4}$ in. and $\frac{1}{8}$ in. objectives, +35+70+400 diam	84 00
J3.	Stand with 2 eye-pieces and $\frac{3}{4}$ in. and $\frac{1}{8}$ in. objectives, + 50 to + 400 diam ..	82 00
J4.	Stand with 2 eye-pieces and 2 in., $\frac{3}{4}$ in. and $\frac{1}{8}$ in. objectives, + 25 + to + 400 diam	88 00
J5.	Stand with 2 eye-pieces and $\frac{3}{4}$ in., $\frac{1}{8}$ in. and $\frac{1}{16}$ in. oil immersion objectives, + 50 to + 1,200 diam	127 00
J6.	Stand with 2 eye-pieces and 2 in., $\frac{3}{4}$ in., $\frac{1}{8}$ in. and $\frac{1}{16}$ in. oil immersion objectives, + 25 to + 1,200 diam	133 00
	Glass stage and slide-carrier which slips over brass stage, extra	5 00
	Mechanical stage, in place of the regular	17 00
	Double nose-piece, brass finish, extra	5 00
	Triple nose-piece, brass finish, extra	9 00
	Abbe condenser, 1.20 N. A. in mounting, with iris diaphragm, extra	14 00
	Abbe condenser, 1.42 N. A. in mounting, " " " " extra	16 00

Complete illustrated catalogue (13th edition) mailed free to any address; send for it; contains matter of much interest to physicians.



LINEAR MAGNIFYING POWERS OF OBJECTIVES AND EYE PIECES COMBINED.

Standard Tube Length 8.5 inches equals 216 M^{ms}.

OBJECTIVES.		No. 2		No. 3		No. 4		No. 5		No. 6		No. 7			
		2 in.	1½ in.	1 in.	¾ in.	½ in.	¼ in.	⅓ in.	⅕ in.	⅙ in.	⅙ in.	⅙ in.	⅙ in.	⅙ in.	⅙ in.
Eye-Pieces,	2 inch A ..	25	33	40	50	70	176	210	265	300	360	390	450	570	690
	1½ inch B ..	35	42	55	70	102	247	295	385	400	540	560	660	845	1025
	1 inch C...	50	66	80	100	140	352	420	530	560	720	780	900	1140	1380
	¾ inch D ..	70	84	110	140	205	495	590	770	840	1080	1150	1320	1690	2050
	½ inch E ..	100	132	160	200	320	705	840	1060	1120	1440	1550	1800	2280	2760

MICROSCOPE OBJECTIVES.

Our Microscope Objectives are classified after their *optical peculiarities* and, without exception, the greatest care is exercised in their optical and mechanical construction. We do not distinguish between first and second class, professional or students' objectives, but offer only lenses of the highest optical grade and of strictly first-class workmanship.

Although we are well aware and perfectly satisfied that all our objectives, as given in the list below, compare favorably with any other productions, without regard to cost, the prices of our objectives will be found to be lower than those of any other first-class lenses.

SINGLE SYSTEM DOUBLET.

No.	Power.	Adjustment.	Angular Aperture.	Price.
25.....	1 inch.....	Non-adjustable.....	15° air.....	\$5 00

CLASS A.—TRIPLET.

No.	Power.	Adjustment.	Angular Aperture.	Price.
26.....	4 inch.....	Non-adjustable.....	8° air.....	\$8 00
27.....	3 ".....	".....	11° ".....	8 00
28.....	2 ".....	".....	15° ".....	6 00
29.....	1½ ".....	".....	18° ".....	6 00

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MICROSCOPE OBJECTIVES.

CLASS B—DIALYTIC.

No. 1—Non-dividing.

No.	Power.	Adjustment.	Angular Aperture.	Price.
30.....1	inch.....	Non-adjustable.....	36° air.....	\$20 00
31..... $\frac{3}{4}$	".....	".....	36° ".....	12 00
32..... $\frac{2}{3}$	".....	".....	36° ".....	9 00
33..... $\frac{1}{2}$	".....	".....	40° ".....	10 00

No. 2—Dividing.

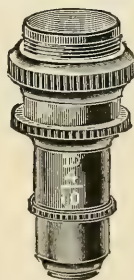
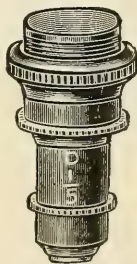
The front system of these objectives can be removed and the back system is the objective of the second named power and angle.

No.	Power.	Adjustment.	Angular Aperture.	Price.
34.....3 and 5	inch.....	Non-adjustable.....	13° 8° air.....	\$20 00
35.....2	4 ".....	".....	18° 10° ".....	20 00
36.....1 $\frac{1}{2}$	5 ".....	".....	24° 13° ".....	18 00
37.....1	2 ".....	".....	24° 13° ".....	12 00
38..... $\frac{2}{3}$	1 ".....	".....	25° 15° ".....	6 00
39..... $\frac{1}{2}$	1 ".....	".....	27° 16° ".....	7 00
39 $\frac{1}{2}$ $\frac{1}{4}$	1 ".....	".....	65° 16° ".....	12 00

CLASS C.—APLANATIC.

No.	Power.	Adjustment.	Angular Aperture.	Price.
40.....1	inch.....	Non-adjustable.....	26° air.....	\$25 00
41..... $\frac{2}{3}$	".....	".....	43° ".....	25 00
42..... $\frac{1}{2}$	".....	".....	72° ".....	40 00
43..... $\frac{1}{3}$	".....	".....	50° ".....	20 00
44..... $\frac{1}{4}$	".....	".....	60° ".....	20 00
45..... $\frac{1}{5}$	".....	".....	80° ".....	25 00

OBJECTIVES FOR RESOLUTION.



CLASS D.—THREE SYSTEM

No. 1—Dry Working.

No.	Power.	Adjustment.	Angular Aperture.	Price.
46.....1	inch.....	Non-adjustable.....	85° air.....	\$80 00
47..... $\frac{1}{2}$	".....	".....	110° ".....	50 00
48..... $\frac{1}{3}$	".....	".....	110° ".....	40 00
49..... $\frac{1}{4}$	".....	".....	70° ".....	15 00
50*..... $\frac{1}{5}$	".....	".....	75° ".....	12 00
51*..... $\frac{1}{6}$	".....	".....	80° ".....	14 00
52..... $\frac{1}{8}$	".....	".....	135° ".....	15 00
52 $\frac{1}{2}$.....1	".....	".....	135° ".....	16 00
53..... $\frac{1}{10}$	".....	Adjustable.....	135° ".....	20 00
53 $\frac{1}{2}$ $\frac{1}{8}$	".....	".....	135° ".....	22 00
54..... $\frac{1}{10}$	".....	".....	135° ".....	25 00
54 $\frac{1}{2}$ $\frac{1}{2}$	".....	".....	165° ".....	30 00

*Have very long working distance; the $\frac{1}{4}$ works through three ordinary Moeller slides.



MICROSCOPE OBJECTIVES.

No. 2—Water Immersion.

No.	Power.	Adjustment.	Angular Aperture.	Working Distance.	Price.
55.....	$\frac{1}{6}$ inch.....	Adjustable.....	105° water.....	$\frac{1}{32}$ inch.....	\$22 00
56.....	$\frac{1}{10}$ ".....	".....	105° ".....	$\frac{1}{50}$ ".....	26 00
57.....	$\frac{1}{16}$ ".....	".....	105° ".....	$\frac{1}{80}$ ".....	35 00

No. 3—Glycerine Immersion.

No.	Power.	Adjustment.	Angular Aperture.	Price.
58.....	$\frac{1}{6}$ inch.....	Adjustable.....	105° glycerine.....	\$30 00
59.....	$\frac{1}{10}$ ".....	".....	110° ".....	25 00
60.....	$\frac{1}{16}$ ".....	".....	110° ".....	35 00

No. 4—Homogeneous Immersion.

Remarkable for Long Working Distance.

No.	Power.	Adjustment.	Homogeneous Angle.	Numerical Aperture.	Working Distance.	Price.
61....	$\frac{1}{6}$ inch.....	Non-adjustable.....	105°.....	1.20.....	$\frac{1}{32}$ inch.....	\$ 60 00
62....	$\frac{1}{6}$ ".....	".....	105°.....	1.20.....	$\frac{1}{16}$ ".....	45 00
63....	$\frac{1}{10}$ ".....	".....	105°.....	1.20.....	$\frac{1}{32}$ ".....	35 00
64....	$\frac{1}{10}$ ".....	".....	105°.....	1.20.....	$\frac{1}{64}$ ".....	50 00
65....	$\frac{1}{20}$ ".....	".....	105°.....	1.20.....	$\frac{1}{64}$ ".....	75 00
66....	$\frac{1}{25}$ ".....	".....	105°.....	1.20.....	$\frac{1}{80}$ ".....	120 00
67....	$\frac{1}{32}$ ".....	".....	105°.....	1.20.....	$\frac{1}{104}$ ".....	150 00
68....	$\frac{1}{50}$ ".....	".....	105°.....	1.20.....	$\frac{1}{160}$ ".....	200 00
69....	$\frac{1}{75}$ ".....	".....	105°.....	1.20.....	$\frac{1}{240}$ ".....	260 00
70....	$\frac{1}{100}$ ".....	".....	105°.....	1.20.....	$\frac{1}{320}$ ".....	300 00

These objectives will be furnished with an adjustable mount, the same as Class E, at an additional cost of \$5.00 each.

CLASS E.—FOUR SYSTEM.

Homogeneous Immersion.



No.	Power.	Adjustment.	Homogeneous Angle.	Numerical Aperture.	Working Distance.	Price.
71..	$\frac{1}{6}$ inch..	Non-adjustable	136°.....	1.40.....	$\frac{1}{30}$ inch..	\$ 90 00
72..	$\frac{1}{8}$ ".....	".....	136°.....	1.40.....	$\frac{1}{50}$ ".....	80 00
73..	$\frac{1}{12}$ ".....	".....	136°.....	1.40.....	$\frac{1}{75}$ ".....	90 00
74..	$\frac{1}{16}$ ".....	".....	136°.....	1.40.....	$\frac{1}{100}$ ".....	120 00
75..	$\frac{1}{20}$ ".....	".....	136°.....	1.40.....	$\frac{1}{130}$ ".....	160 00
76..	$\frac{1}{25}$ ".....	".....	136°.....	1.40.....	$\frac{1}{180}$ ".....	220 00

The objectives in Class E will be provided with an improved adjustment, moving the back system only, and being entirely free from lost motion, at an additional cost of \$5.00. With Class E objectives we give a hemispherical lens for oblique illumination.

EYE-PIECES.

IMPROVED HUYGHENIAN.

No.	Power.	Price.
77—2	inch.....	\$5 00
78—1½	".....	4 00
79—1	".....	4 00
80—¾	".....	4 00
81—½	".....	4 00
82—¼	".....	5 00
83—⅓	".....	6 00
84—⅔	".....	8 00

These eye-pieces are mounted in a finely lacquered brass mount, but will be mounted specially to fit any microscope or telescope at an additional cost of \$1.00.

HAS TRUAX & GREENE & CO.

MICROSCOPIC INSTRUMENTS.



Fig. 458. Section Knife.....\$2 75 to \$5 00

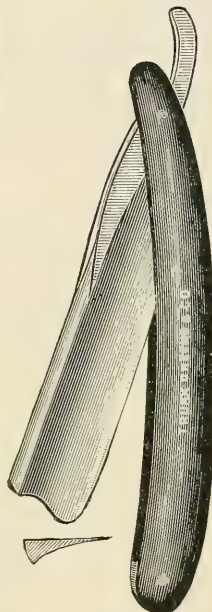


Fig. 457. Microscopic Razor, flat on one side \$1 50



Fig. 456. Cover Glass Forceps.....\$0 60

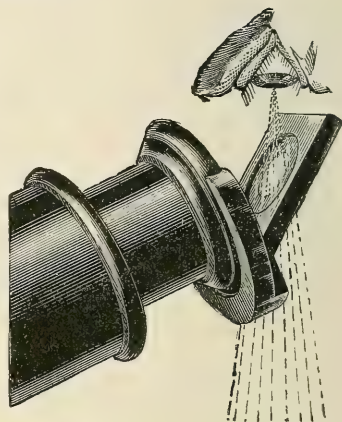


Fig. 463. Plain Camera Lucida, \$1 50

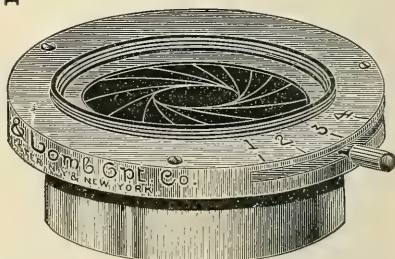


Fig. 467. Iris Diaphragm with Condenser Mounting.....\$6 00

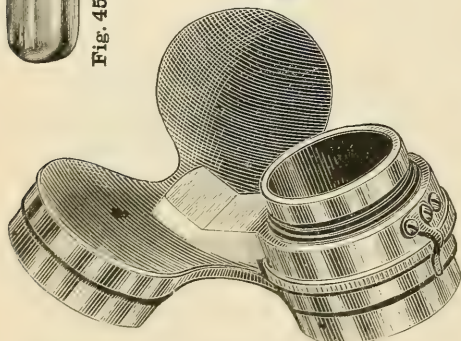


Fig. 469. Triple Nose-Piece, Angular. \$9 00

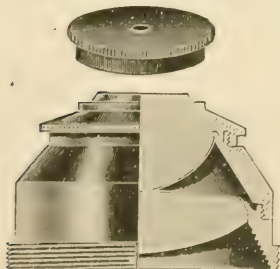


Fig. 461. Two System Condenser in Case\$8 00

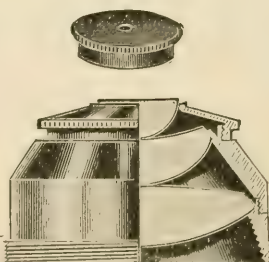


Fig. 462. Three System Condenser in Case.....\$10 00

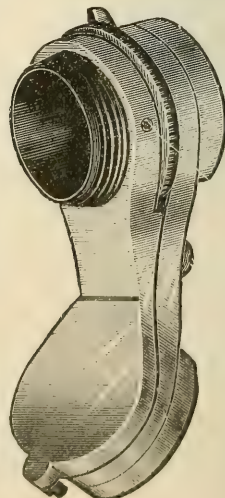


Fig. 468. Double Nose-Piece, Angular Form, for instantly changing objectives.\$5 00

HAS TRUAX & GREENE & CO.

MICROSCOPIC INSTRUMENTS.

DISSECTING AND MOUNTING INSTRUMENTS.

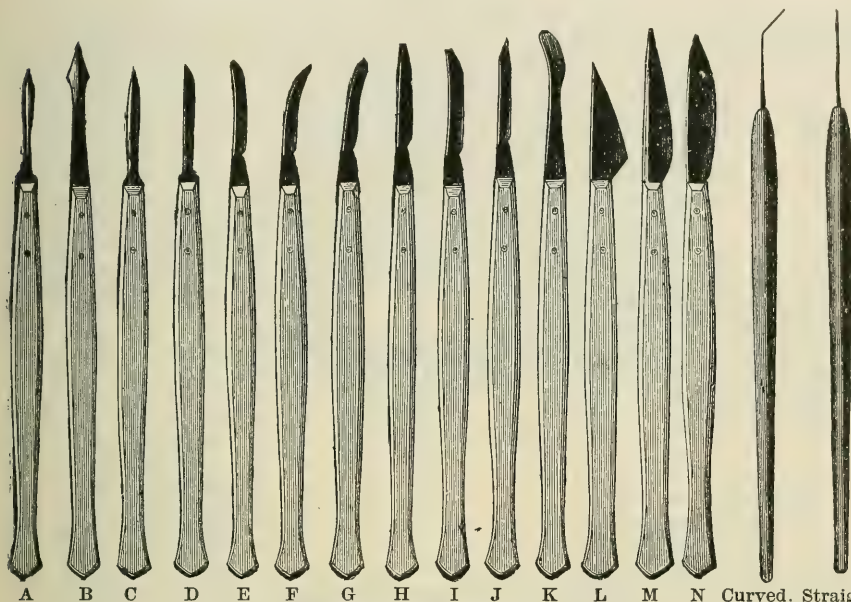


Fig. 479. Dissecting Knives, each 75c.

Curved. Straight.
Fig. 480. Dissecting
Needles, each, 15c.



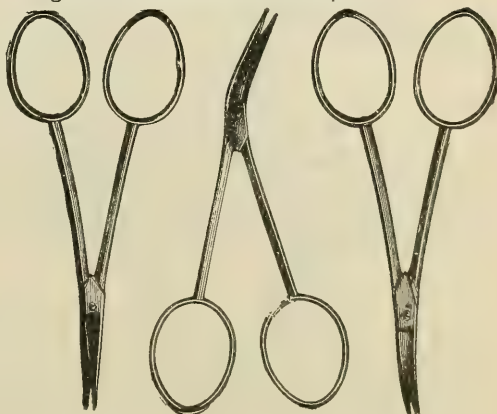
Fig. 481.
Curved Dissecting
Forceps, Steel,
Best, \$1.00



Fig. 482.
Straight Dissecting
Forceps, Steel,
Best, 75c.



Fig. 484. Double Section Lifter, 50c.



Straight. Angular. Curved.
Fig. 483. Dissecting Scissors, each 50c to 75c.

HAS **TRUAX** ~~TRUAX~~ **GREENE** & CO.

MICROSCOPIC INSTRUMENTS.

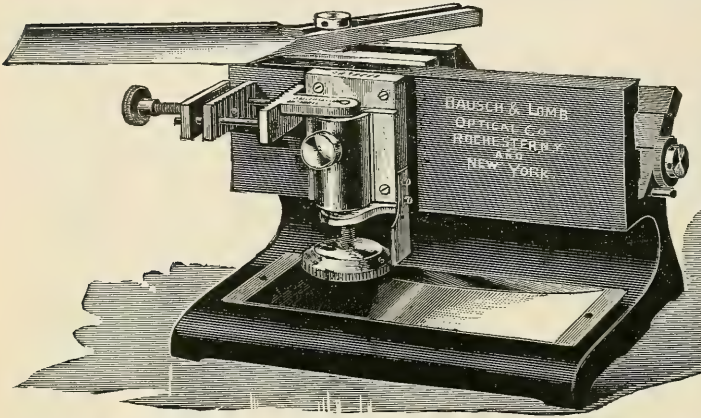


Fig. 493. Student's Microtome in Cherry Case\$18 00

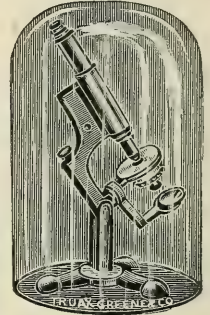


Fig. 497. Globes or covers for microscopes
For sizes and prices see page 544.

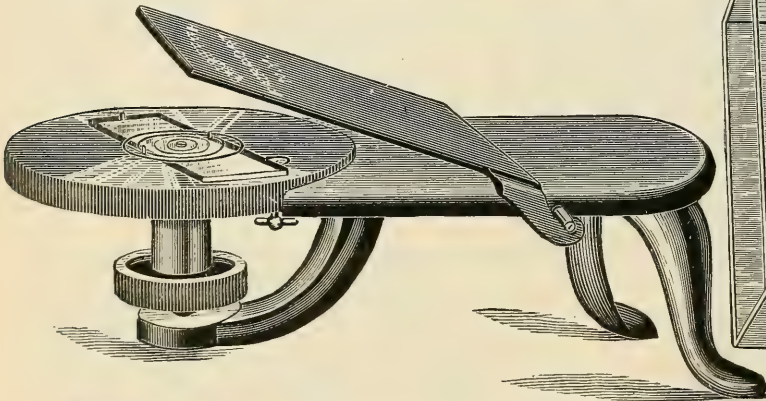


Fig. 495. Griffith's Turn Table, Self Centering.....\$7 00

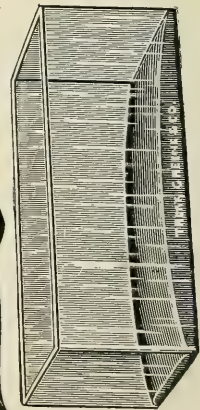


Fig. 494. Glass box in which to clean microscopic slides.....\$0 35

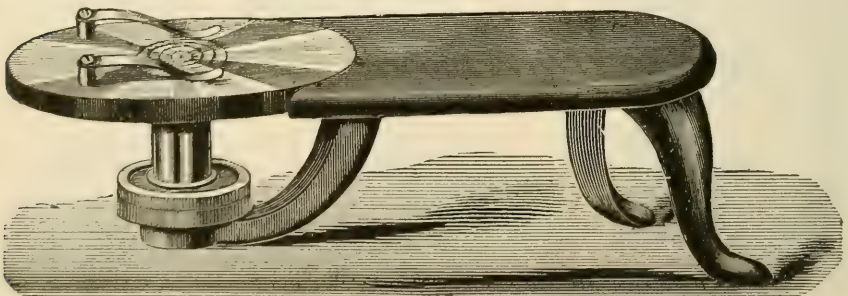


Fig. 496. Turn Table, Plain.....\$2 50



MICROSCOPIC CABINETS.

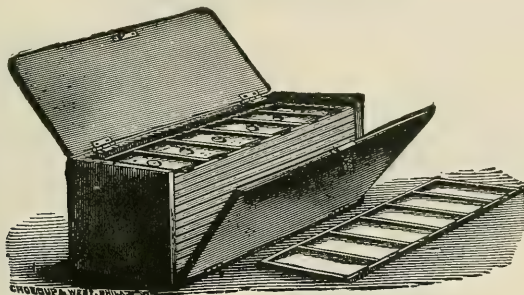


Fig. 500. Portable Mahogany Cabinet, for 72 objects, \$3 25.

BOXES, mailing, wood, to hold 1 object	per doz. \$0 60	each \$0 06
“ “ “ 3 “	80	“ 08
“ “ “ 6 “	90	“ 10
“ “ “ 12 “	1 25	“ 15
CABINETS, holding 24 objects, with cardboard sliding cover		“ 75
“ 24 “ white wood		“ 1 00
“ 36 “ “		“ 1 50
“ 48 “ “		“ 1 75
“ 60 “ “		“ 2 00
“ 72 “ “		“ 2 50
“ 144 “ “		“ 3 50
Portable, 12 trays, holding 72 objects, mahogany, Fig. 500		“ 3 25
Same, for 36 objects		“ 2 00

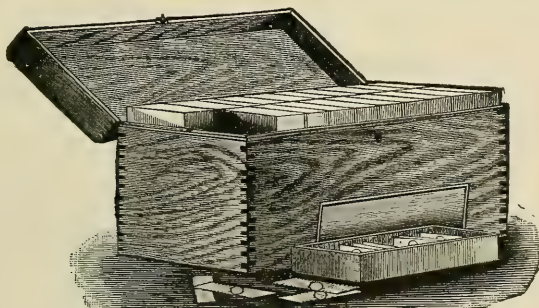


Fig. 502. Pillsbury's Cabinet for 200 objects, \$3 00.

CABINETS, Pillsbury's, holding 10 boxes for 200 slides, Fig. 502	each \$3 00
“ “ 20 “ 500 “	“ 4 00

The Pillsbury Cabinet consists of a finely polished cherry case, containing ten or twtney boxes, grooved on the inside, to receive twenty-five slides each, and provided with a lock. When the boxes are in place in the cabinet, the slides lie horizontally, thus avoiding all liability of damage to slides in top.

The top of each box, as placed in the cabinet, is provided with an index, and on the bottom of the box, inside, is a corresponding number, to show the proper location of each slide. If a cabinet is not required, the boxes may be used singly, as a simple rubber band serves to hold the cover securely in place. They are of plain white-wood, neatly finished.

HAS **TRUAX** *TRUAX* **GREENE & CO**

MAGNIFYING GLASSES.

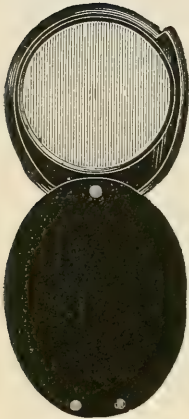


Fig. 505.

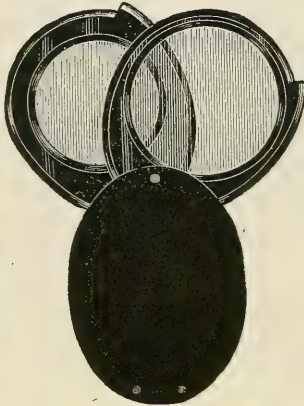


Fig. 506.

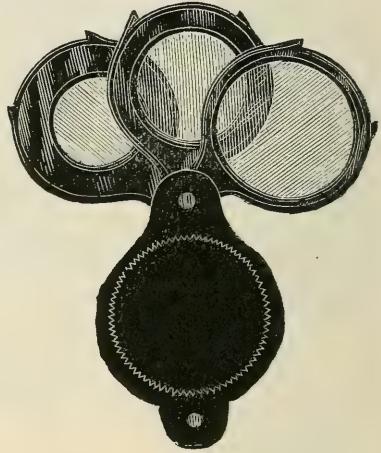


Fig. 507.

MAGNIFIERS.

Single, rubber case, diameter of glass,	$\frac{3}{4}$ inch, Fig. 505.....	each, \$0 30
“ “ “ “	1 inch	“ 40
“ “ “ “	$1\frac{1}{2}$ “	“ 60
“ “ “ “	2 “	“ 90
Double, “ “	$\frac{5}{8}$ and $\frac{3}{4}$ inch, Fig. 506 ...	“ 60
“ “ “ “	$1\frac{1}{8}$ and $1\frac{1}{4}$ “	“ 90
“ “ “ “	$1\frac{1}{2}$ and $1\frac{3}{4}$ “	“ 1 25
Triple, “ “	$\frac{1}{2}$, $\frac{5}{8}$ and $\frac{3}{4}$ inch, Fig. 507. “	75
“ “ “ “	$\frac{5}{8}$, $\frac{3}{4}$ and $\frac{7}{8}$ inch.....	“ 1 00
“ “ “ “	$\frac{3}{4}$, $\frac{7}{8}$ and 1 inch.....	“ 1 25
Single, shell case, “ “	$\frac{3}{4}$ inch, Fig. 505.....	“ 75
“ “ “ “	1 inch	“ 1 55
Double, “ “	$\frac{5}{8}$ and $\frac{3}{4}$ inch, Fig. 506 ...	“ 1 25
“ “ “ “	$\frac{7}{8}$ and 1 inch	“ 2 10
Triple, “ “	$\frac{1}{2}$, $\frac{5}{8}$ and $\frac{3}{4}$ inch, Fig. 507 “	1 65
“ “ “ “	$\frac{3}{4}$, $\frac{7}{8}$ and 1 inch.....	“ 2 65
Folding, brass, size of opening, $\frac{1}{4}$ inch, Fig. 508	“	40

MAGNIFIERS, Metal frame and handle (reading glasses).

Glass $1\frac{1}{2}$ inch diameter, Fig. 510.....	each, \$0 50
“ 2 “ “	“ 60
“ $2\frac{1}{2}$ “ “	“ 90
“ 3 “ “	“ 1 35
“ 4 “ “	“ 2 50
“ 5 “ “	“ 4 50
“ 6 “ “	“ 8 00

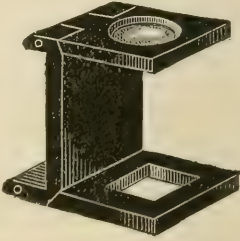


Fig. 508. Folding Magnifier, 40c.



MAGNIFYING GLASSES.

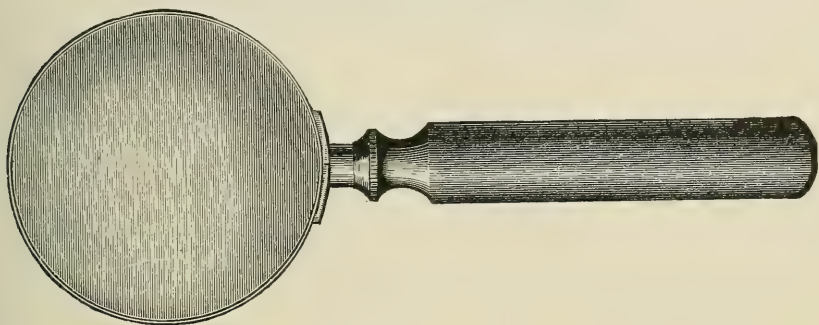


Fig. 510.

CODDINGTON MAGNIFIERS. Fig. 512.

$\frac{1}{2}$ inch focus, German silver mounting, each	\$2 00
$\frac{3}{4}$ inch focus.....	“ 2 25
1 inch focus.....	“ 2 50

ACHROMATIC TRIPLETS.

$\frac{1}{2}$ inch focus, German silver mounting, each	9 50
$\frac{3}{4}$ inch focus, “ “ “ “	9 50
1 inch focus, “ “ “ “	9 50

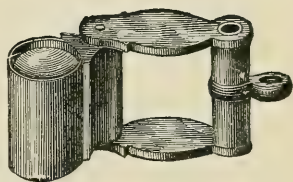
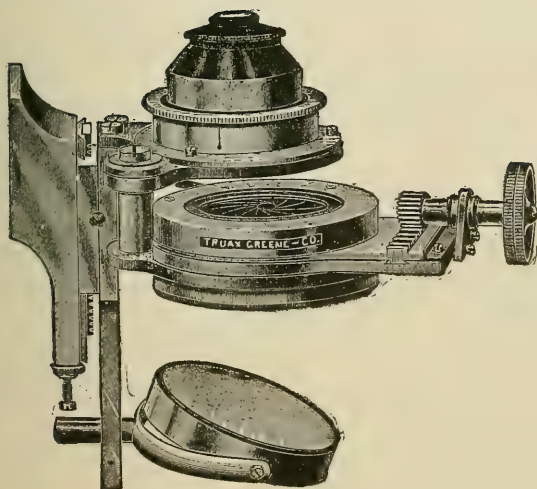


Fig. 512. Coddington Lenses.

SUB-STAGE ATTACHMENT.



- Sub-stage attachment, complete, including two system Abbe condenser. \$33 00
- Sub-stage attachment, complete, including three system Abbe condenser. 35 00
- Sub-stage attachment, complete (exclusive of Abbe condenser)..... 25 00



MICROSCOPIC ACCESSORIES.

ADAPTER,							
For foreign objectives.....						\$1	00
For fitting objectives in sub-stage.....						1	00
With centering adjustment.....						5	00
AMPLIFIER, achromatic, in brass box.....						7	50
CAMERA LUCIDA, double prism, may be used in an upright or inclined position.....						7	50
Improved Abbe.....						10	00
Plain Fig. 463.....						1	50
Wollaston's, for drawing an object.....						6	50
COMPRESSOR, Wenham's.....						1	50
Parallel.....						3	50
CONDENSER, sub-stage Abbe 1.20 N. A. in case, Fig. 461.....						8	00
" " " 1.42 " " Fig. 462.....						10	00
" " " 1.0 " "						20	00
Mounting, 5 stop, diaphragms and blue glass.....						5	00
" with Iris diaphragm.....						6	00
CONDENSERS, on stand, 1½ inch diam.....						4	00
" 2¼ " "						7	00
" 3 " "						10	00
DARK WELL.....						2	00
DIAPHRAGM, Iris, with Society Screw.....						3	00
(Iris), with condenser mounting, Fig. 467.....						6	00
Dome.....						2	00
EYE-PIECES, 1 to 5.....						4	00
FORCEPS, stage.....						1	50
Stage, on slide.....						2	00
" 3 prong.....						5	00
GLOBES FOR COVERING MICROSCOPES. Fig. 497.							
No.	Diameter	Height	Each	No.	Diameter	Height	Each
1.....	4 in.....	6 in.....	\$ 60	7.....	8 in.....	16 in.....	\$2 40
2.....	6 ".....	6 ".....	75	8.....	10 ".....	10 ".....	2 25
3.....	6 ".....	8 ".....	90	9.....	10 ".....	14 ".....	3 00
4.....	6 ".....	10 ".....	1 50	10.....	12 ".....	12 ".....	3 00
5.....	8 ".....	8 ".....	1 40	11.....	12 ".....	16 ".....	4 00
6.....	8 ".....	12 ".....	2 00	12.....	12 ".....	20 ".....	6 00
CIRCULAR GLASS BASE FOR SAME.							
4 inch.....	each.....		\$ 20	10 inch.....	each.....		65
6 ".....	".....		25	12 ".....	".....		1 00
8 ".....	".....		40				
LENS, Hemispherical, mounted.....							5 00
LEIBERKUHN'S.....							\$4 00 to 5 75
LIFE SLIDE, Holman's with cover, in box.....							1 50
With syphon complete.....							4 00



MICROSCOPIC ACCESSORIES.

DEAN'S MEDIUM.....	\$0	35
EOSIN.....		20
FARRENT'S MEDIUM.....		50
Fuschine.....		25
GELATINE, carmine, for injecting.....oz	1	00
GENTIAN VIOLET.....		20
GLYCERINE, Camphorated, for delicate vegetable tissue.....		25
Pure.....		25
Jelly.....		50
GLUE, Hollis'.....		30
Marine, Hard.....		35
" Liquid.....		35
" Colorless.....		40
GOLD SIZE.....		25
GUM AND GLYCERINE, medium.....		25
HÆMATOXYLIN.....		20
Concentrated solution in alcohol.....		50
HÆMATOXYLIC EOSIN.....		50
iodo-iodide Potassa, 3 per cent solution.....		25
LABELS, White, round or oval.....per 100		10
" square, with borders.....per 100		25
Gilt fronts for covering slides.....per 100		25
Backs.....per 100		25
Backs or front with holes punched, 10 cents extra per 100		
MAGENTA.....		40
Red.....		25
METHYLENE BLUE.....		20
METHYL green.....		20
Violet.....		20
NAPHTHA, Pure.....		15
NITRIC ACID, in alcohol, 3 per cent solution.....		25
OIL CLOVES.....		35
OSMIC ACID, 1-32 oz. or 1 gramme.....	2	00
PARAFFINE.....lb		50
PHENOLPHTHALINE.....		25
PICRO-CARMINE.....		25
PIPETTES, with bulb.....		25
POT. FERROCYANIDE, with 1 per cent Acetic Acid.....		25
SAFFRANIN.....		25
SALT SOLUTION, normal.....		15
SLIDES, Glass, 1 x 3, ground edges, first quality crown glass.....gro	1	35
" " " " patent plate.....gro	1	75
" " " " extra thin white sheet.....gro	2	50
" " " " beveled.....gro	3	00
" " " " with concave center.....doz		60
" " crown, plain cut edge.....gro		65
Wooden.....doz		25



MICROSCOPIC ACCESSORIES.

SLIDES, Holman's Life.....	each \$1 50
" Current.....	each 1 50
" Cage.....	each 4 50
" Syphon.....	each 3 00
SODA, Sulpho-Indigotate.....	20
STAIN, Dr. Gibbs'.....	50
Burrill's, for bacillus tub., with directions.....	35
TROUGHS, Zoophyte.....	2 50
TUBES, Drop.....	10
TURPENTINE.....	25
VESUVIN.....	20
WHITE ZINC CEMENT.....	55
XYOL, Damar.....	25

These media we guarantee to be of the quality best suited for microscopic purposes and put up in the neatest possible manner. Each bottle is plainly labeled.

MOUNTED MICROSCOPIC SLIDES.

HISTOLOGICAL SERIES.

Each, 75 cts; per dozen, \$7.50; set of 24 in case, with trays, \$15.00.

Aorta, normal, human.	Pancreas, normal, human.
Bladder, human.	Scalp, human.
Bone, adult transverse.	Skin, human.
Brain.	Spinal cord, human.
Crystalline lens, human, showing ultimate fibre.	Spleen.
Epithelium.	Stomach.
Intestine, normal, human.	Tendon.
Kidney, injected, human.	Testicle, normal, human.
Liver, human.	Thyroid, lymphatic gland.
Lung, human.	Tissue, adipose.
Muscle, striated.	Tissue, adult, connective.
Muscle, unstriated.	Tissue, embryonal, connective.
Nerve Cells.	Tissue, growing.
Nerve Fibres.	Tissue, yellow, elastic.
Optic nerve, transverse section.	Tooth, transverse.
Ovary, normal, human.	Uterus, normal, human.

PATHOLOGICAL SERIES.

Each, 75 cents; Per dozen, \$7.50; Set of 24, in case with trays, \$15.00.

Brain, general, paralysis.	Liver, fatty infiltration.
" softening.	Lung, acute catarrhal pneumonia.
" medulla oblongata.	" " military tuberculosis
" locomotor ataxia.	" fibroid phthisis.
" pons varolii diabetes	Muscle, trichinous.
Heart, fatty degeneration.	Skin, lupus vulgaris.
" " infiltration.	" scarlet fever.
Kidney, acute, catarrhal nephritis.	Spinal Cord, general paralysis.
" amyloid.	" " hydrophobia.
" chronic Bright's disease.	Tongue, epithelioma.



MOUNTED MICROSCOPIC SLIDES.

Liver, carcinoma.

“ fatty degeneration.

Tonsil, hypertrophy.

TUMOR SERIES.

Adenoma, breast.

“ cystic ovary.

Carcinoma, encephaloid breast.

“ Scirrhus.

Chondroma, testicle.

Epithelioma, cylindrical, rectum.

Fibroma, hard, palm of hand.

Glioma, cerebrum.

Myoma, leio, uterus.

Neuroma, thigh after amputation.

Papilloma, hard face.

“ soft bladder.

Sarcoma.

BACTERIOLOGICAL SERIES.

Price

Bacillus, anthracis in kidney.

“ of glanders.

“ of symptomatic anthrax.

each, \$0 85

Bacillus, of tetanus.

“ tuberculosis from lung cavity.

“ coma.

TRUAX GREENE & CO'S. SPECIAL BACTERIOLOGICAL COLLECTION.

- | | |
|--|---|
| <p>1. Anthrax bacilli, section.</p> <p>2. Anthrax bacilli, with spores, pure culture.</p> <p>3. Tubercle bacilli, section.</p> <p>4. Tubercle bacilli, sputa of consumptive.</p> <p>5. Bacillus of leprosy, section.</p> <p>6. Typhoid bacilli, section.</p> <p>7. Diphtheria bacilli, section.</p> <p>8. Bacillus of mucus, section.</p> <p>9. Bacillus of malignant œdema.</p> <p>10. Bacillus of mouse septicemia, section.</p> | <p>11. Bacillus of chicken cholera, section.</p> <p>12. Coma bacillus of cholera Asiatica, pure culture.</p> <p>13. Streptococcus of erysipelas, section.</p> <p>14. Streptococcus of pus.</p> <p>15. Micrococcus of pyemia, section.</p> <p>16. Staphylococcus of pyogenes aureus, pure culture.</p> <p>17. Micrococcus of pneumonia, section.</p> <p>18. Micrococcus of gonorrhœa.</p> <p>19. Micrococcus of tetragenus.</p> <p>20. Actinomyces bovis et hominis.</p> |
|--|---|

Price, in cloth-covered box.....\$15 00

ASSORTED OBJECTS.

Each, 60 cts.;

Blood Discs, dog.

“ “ human.

Spermatozoa, horse.

“ man.

Urinary deposits.

Amorphous phosphates.

“ urates

Epithelium.

Mucus.

Urinary deposits, per dozen, \$6.00

Murexide.

Oxalate of lime, dumb-bell.

“ “ octahedral.

Sugar of diabetes.

Triple phosphate.

Tube casts.

Urea.

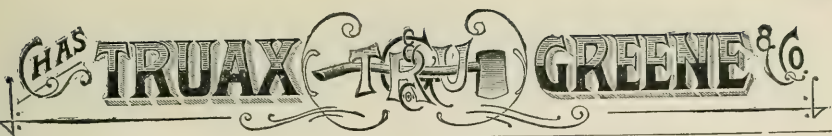
Uric acid.

TEST DIATOMS.

Each, 75 cts.

Amphipleura Pellucida.

Pleurosigma Angulatum.



DEFORMITY APPARATUS.

In presenting this portion of our catalogue to our patrons, we find it impossible to illustrate all of the many forms of braces that we manufacture to fill the wants of the various diseases and complications met with among this class of patients; we are, therefore, obliged to confine ourselves to those patterns most common in use, assuring our friends that we are in a position to manufacture special apparatus of every description, and where patients are sent to us, to take full charge of them until accurately fitted.

Besides mechanics of long experience, we keep, in charge of this branch of our factory, one or more physicians, who have had careful training and years of practice in this specialty, and we assure patrons that all orders entrusted to us will be placed in the hands of the best skill that we can procure in this department of surgery.

While we prefer, in each case, to work under the direction of the attending physician, executing his wishes with all possible accuracy, yet should advice or consultation be needed, we will always stand ready in any way within our power to assist, that the physician and patient may be alike benefited.

SPECIAL INSTRUCTIONS.

We would call attention to the necessity of accuracy in measurements and explicit instructions for the making of each apparatus. We guarantee every appliance sent out by us to correspond exactly with directions and measurements furnished us, and any omissions or errors on our part will be corrected without extra cost to patient. As this class of apparatus is only manufactured to order, physicians will see the necessity of requiring their patients to pay a portion of the amount when the order is taken, and the balance on the delivery of the brace.

Experience has shown us that appliances of this character are more or less uncomfortable when first worn, and that patients are at that time easily discouraged or dissatisfied with trivial matters; and while we will make such changes as are necessary without charge (where the fault is ours), we must ask physicians to protect themselves and us to the fullest extent.

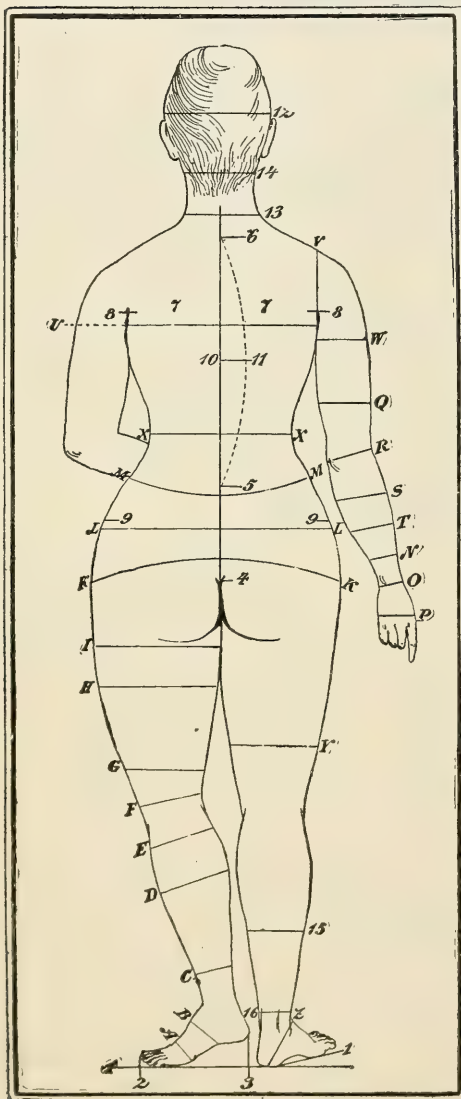
Many physicians of long experience in handling this class of cases collect at least one-third in advance, remit the same to us and direct us to forward the apparatus, as soon as finished, direct to the patient, collecting the balance C. O. D., thus relieving them of all financial responsibility. In cases of this kind we collect the full price of the brace, remitting the commission due the physician to him by check or post-office order. We suggested this plan some time ago because of the numerous requests made by physicians for an extended credit on appliances of this kind, they claiming that they could not afford to pay us cash for them and then wait the will and pleasure of their patrons.

Where shoes are to be worn with braces, we urgently request customers to furnish them (sending them to us by registered mail, carefully addressed), for we find it next to impossible to secure well-fitting shoes from measurements furnished us, and quite frequently we are compelled to pay a price far in advance of what patients can obtain them for at home. Where we furnish shoes they are not returnable, as we take no responsibility as to their fitting the patient.

DISCOUNT TO PHYSICIANS, 25 PER CENT FROM PRICES TO PATIENTS.



DIAGRAM FOR ORTHOPEDIC MEASUREMENTS.



Explanation of Letters and Figures.

- A. Ball of Foot.
- B. Instep.
- C. Above Ankle.
- D. Calf.
- E. Upper Calf.
- F. Knee.
- G. Above Knee.
- H. Upper Third of Thigh.
- I. Thigh at Perinaeum.
- K. Trochanter Major.
- L. Circumference at Pelvis.
- M. " at Umbilicus.
- N. Forearm above Wrist.
- O. Wrist.
- P. Circumference of Hand.
- Q. Arm above Elbow
- R. " at Elbow.
- S. Upper Forearm.
- T. Middle "
- U. Circumference of Chest.
- V. Circumference under Axilla and over Shoulder.
- W. Upper Arm.
- X. Circumference of Waist.
- Y. Lower Third of Thigh.
- Z. Circumference Heel and Instep.
- 1. Sole of Foot.
- 2 to 3. Length of Foot.
- 4. Sacro Lumbar Articulation.
- 5. First Vertebra involved (in sketch).
- 6. Last " " (").
- 7-7. Centers of Scapulæ.
- 8-8. Axillæ.
- 9. Crest of Ilium.
- 10 to 11 Extent of Curvature.
- 12. Circumference of Head.
- 13. Vertebra Prominens.
- 14. Base of Skull.
- 15. Leg below Calf.
- 16. Ankle.

MEASUREMENTS FOR SHOES.

If we are to furnish shoes for deformity apparatus (see bottom of preceding page) send the following measurements.

- 1. Trace outline of Foot on Paper.
- 2. Length of Foot (2 to 3).
- 3. Circumference above Ankle.
- 4. " at "
- 5. " of Heel and Instep. (Z).
- 6. Circumference at B.
- 7. " " A.
- 8. " " Base of Little Toe.
- 9. State if for Right, Left, or both Feet.

HAS TRUAX & GREENE & CO.

MEASURING OUTFIT.

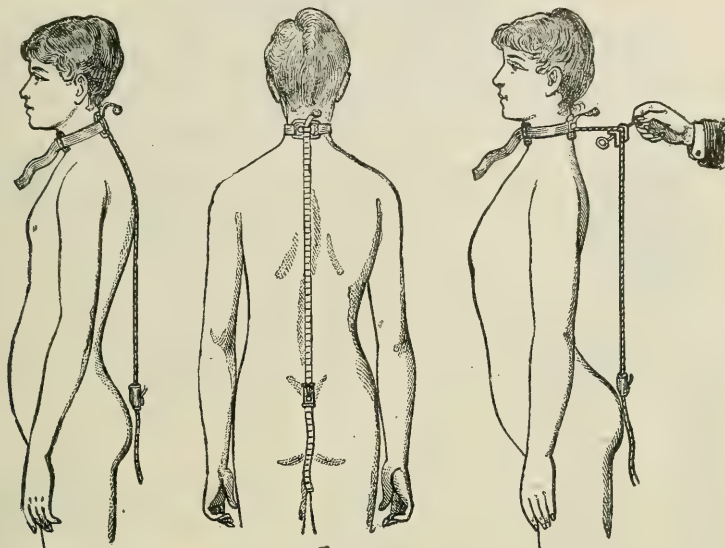


Fig. 548.

This outfit consists of a neck-band with buckle, to which is attached a tape, which is equipped with an adjustable plumb weight. The tape may be allowed to slide over a piece of metal as shown in the figure, which will show amount of anterior curvature; length of spine is shown; and amount of deviation in scoliosis. It is especially valuable where notes of improvement are kept of cases under treatment, or where exercises are being given and an accurate record is desired to be kept. An aluminum strip accompanies the outfit for making tracings of the spinal contour. Net price, \$3.00.

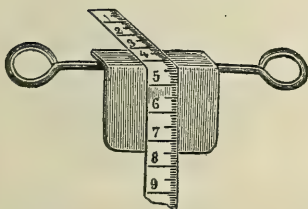


Fig. 549.

Fig. 550. ROBERTS' TORTICOLLIS BRACE.

Price to Patients.....\$25 00

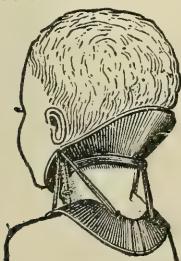


Fig. 550. Roberts Torticollis Brace.

This brace is for the purpose of securing, at the seat of disease, continuous elastic vertebral extension and voluntary articular motion, together with the avoidance of inter-articular pressure and friction. It consists essentially of two encasements, an upper or cervico-cephalic, and a lower or cervico-truncal segment. The superior one has a clasp under the chin, which can be opened or closed by means of a key, thus permitting of easy removal or re-application. The inferior one is provided with a hinge posteriorly and a clasp anteriorly. The surfaces pressed upon by these two enveloping segments serve as points for counter-pressure. Elastic linear extension of the cervical spine is effected by means of two strong spiral springs playing upon upright steel rods, which are placed on either side of the neck. The degree of elastic traction force which is exerted can be regulated by the thumb screws, which support the spiral springs on the steel rods. The upright rods are provided with a ball-and-socket joint at their lower end, thus permitting all the normal movements at the head to be made, while at the same time elastic extension is enforced.



DEFORMITY APPARATUS.

Fig. 551. MARKOE'S BRACE FOR TORTICOLLIS.

Price to patients, according to size and finish.....\$35 00 to \$45 00

See special directions at bottom of page 551.

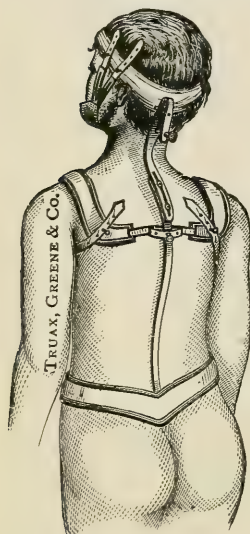


Fig. 551. Markoe's Brace for Torticollis.

This brace consists of: An upright steel bar fastened to a pelvic band, and carried along the spine to a little below the level of the shoulders and secured in position by straps passing over the shoulders under the axillæ.

A steel lever for extension of the neck admits of adjustment, and is connected with the upright bar by means of two screws; the top of this lever is made to form a powerful clamp, for the purpose of holding the head-band, and of securing the head in position. The head band is formed of a steel spring carried half around the back of the head, softly padded, and the covering extended to the front and buckled there.

A bandage, the size and shape of the patient's chin, is buttoned to the head band laterally with four straps. By turning a thumb-screw with which the clamp is provided, the head of the patient may be fixed in any position by the arrest in the movement of the joint.

DIRECTIONS FOR MEASUREMENTS.

See diagram on page 552.

1. Patient's age and weight.
2. Distance from sacro lumbar articulation to vertebra prominens (4 to 13).
3. Distance from sacro lumbar articulation to base of skull (4 to 14).
4. Circumference of pelvis one inch below iliac crests (L).
5. Circumference of chest under axillæ (U).
6. Circumference of the head (12).

Fig. 552. ROBERTS' ELASTIC TRACTION HEAD REST.

Prices to patients (without jacket).....\$25 00

See special instructions on page 551.

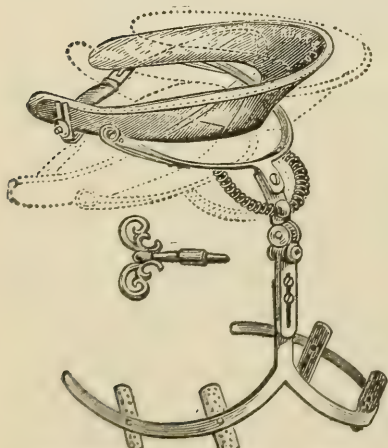


Fig. 552. Roberts' Elastic Traction Head Rest.

While the ordinary jury masts, with elastic straps, probably fulfills the more important mechanical indications for treatment, it is, nevertheless, on some accounts very objectionable. It, like all supports that pass over the head, is unsightly in appearance, and never fails to fix the eyes of the curious on the already over-sensitive patient whenever he chances to appear in public highways. Mothers, too, usually find fault with it, because of attracting so much attention. For these reasons, among others, I set about devising an instrument which, while not extending over the head, would exert continuous elastic traction upon the diseased vertebrae, and permit of voluntary motion of the cervical vertebrae.



DEFORMITY APPARATUS.

Fig. 552. ROBERTS' ELASTIC TRACTION HEAD REST.

DIRECTIONS FOR MEASUREMENTS.

As per diagram on page 552.

Send well-fitting jacket, trimmed off at top of back.

1. Distance, if any, from top of jacket to vertebra prominens.
2. Distance from same point to base of skull.
3. Circumference of head and chin (14).
4. Lateral diameter of head close under ears.
5. Antero-posterior diameter from chin to back of neck.
6. Take a piece of bar lead and get outline of back and neck, and show same on paper.

Fig. 553. DAVIS' APPARATUS FOR TORTICOLLIS.

Price to patients, according to size.....\$20 00 to \$25 00
See special instructions at bottom of page 551.



This apparatus consists of a steel bar, surrounding the head at a distance of about two inches, held in position by a collar brace. At the top of the bar, the head is held by a strong elastic band, connected to a curved piece of steel, to which a band passing under the chin is fastened. By these means a constant elastic tension is effected upon the contracted muscles, and the deformity thus counteracted. This apparatus also carries the whole weight of the head, thus causing relief to the spine, which, in many cases of torticollis, is also affected.

When ordering this apparatus the shape of the steel bar should be ascertained by giving its desired form to a piece of pliable wire and making a tracing of the latter on paper.

Fig. 553. Davis' Apparatus for Torticollis.

MEASUREMENTS REQUIRED.

As per diagram on page 552.

1. Sex of patient.
2. General appearance of patient.
3. Circumference of the head around the chin, behind the ears and over top of the head.
4. Diameter between the axillæ (8 to 8).
5. Distance around the shoulder, from axilla over the top (8 to V).
6. State to which side head is inclined.

DEFORMITY APPARATUS.

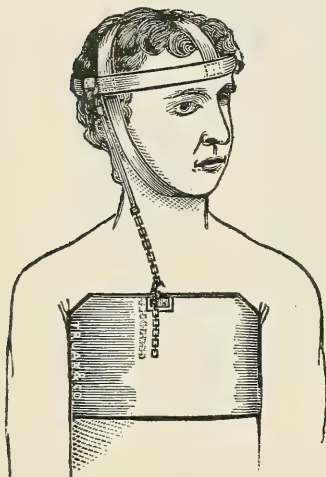


Fig. 554. Post's Torticollis Brace.

Fig. 554. POST'S TORTICOLLIS BRACE.

Price to patients.....\$12 00

See special instructions at bottom of page 551.

This consists of two non-elastic bands, fitted closely to head, maintained in position by a short cross-piece passing from the forehead backwards. One side of this system of bandages is secured by an elastic web and chain to a firm, wide bandage encircling the chest.

DIRECTIONS FOR MEASUREMENTS.

See diagram on page 552.

1. Circumference of head, chin over top.
2. Circumference of head, front and back.
3. Circumference of chest, at axillæ.
4. State to which side the head is inclined.

Fig. 560. BRACE FOR WRY NECK.

Price to patients.....\$5 00

See special instructions at bottom of page 551.

A simple collar is made of pliable iron or wood, covered with silk or buckskin. It is placed on one shoulder, and held in position by axillary straps. The iron admits of adjustment, and is a good instrument for slight cases of wry neck, or contractions of any kind where the muscles of the neck are involved.

MEASUREMENTS REQUIRED.

See diagram on page 552.

1. Patient's name.
2. Which side involved, right or left.
3. Circumference of the neck (13).
4. Length of neck from clavicle to mastoid process.
5. Circumference of chest under axillæ (U).

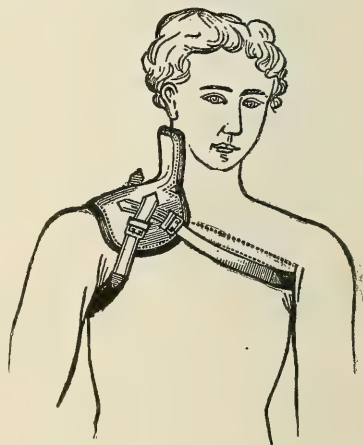
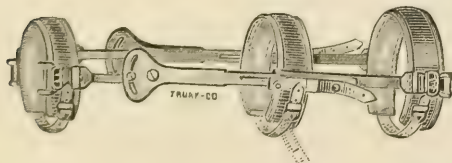


Fig. 560. Brace for Wry Neck.

Fig. 561. CHAS. F. STILLMAN'S SPLINT FOR COLLE'S FRACTURE.

Price to patients.....\$25 00

See special instructions on page 551.



By means of the *sector* this splint allows the hand to be *fixed* at any angle of the arm. By means of adhesive strips (shaped and cut like those shown on Stillman's ankle splint, Fig. 702) applied to the hand and arm, *traction* upon the wrist may be produced.

DIRECTIONS FOR MEASUREMENTS.

Same as for Fig. 564. See diagram on page 552.



DEFORMITY APPARATUS.

Fig. 563. APPARATUS FOR PARTIAL ANCHYLOSIS OF ELBOW JOINT.

Price to patients....\$18 00 See special instructions at bottom of page 551.

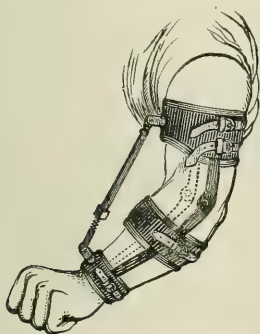


Fig. 563. Apparatus for Partial Ankylosis of Elbow Joint.

This consists of a broad band at the upper portion of the arm, a band just below the elbow joint, and one at the wrist; connected with these are steel bars running parallel with the arm, having joints at the elbow. Connected with the wrist band and the upper arm band is a screw extension attachment; by gradually turning this screw, the adhesions are broken up, and the patient soon acquires the full use of the ankylosed member.

MEASUREMENTS REQUIRED.

See diagram on page 552.

1. Circumference of arm at top (W).
2. " " at elbow (R).
3. " " just below the elbow (S).
4. " " at wrist (O).
5. From axilla to elbow joint (S to R).
6. " elbow joint to wrist (R to O).

State for what arm the apparatus is required, giving particulars, if any.

Fig. 564. APPARATUS FOR CONTRACTED WRIST.

Price to patients, \$20 00 to \$30 00 See special instructions at bottom of page 551.

This appliance is intended for correcting cases of flexed wrists, caused either by contraction of the muscles or by a partial ankylosis. The illustration fully shows the manner in which force is applied, and, if well fitted, good results can always be obtained.

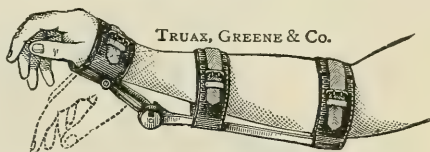


Fig. 564. Apparatus for Contracted Wrist.

MEASUREMENTS REQUIRED.

See diagram on page 552.

1. Circumference of arm just below elbow (S).
2. Circumference of arm between wrist and elbow (T).
3. Circumference of hand between wrist and joint of thumb.
4. Length of fore-arm to wrist (S to O).
5. Length from wrist to thumb joint (O to P).

Fig. 566. VELPEAU'S WRITER'S CRAMP APPARATUS.

Price to patients.....\$10 00 See special instructions at bottom of page 551.

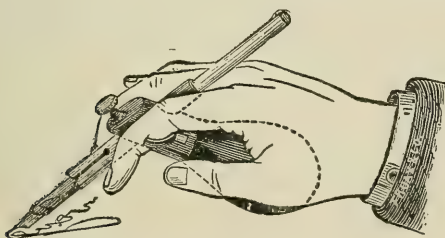


Fig. 566. Velpeau's Writer's Cramp Apparatus.

There are many devices for the relief of this malady. The above is one of the simplest and most effective. It consists of an oblong ball, made of wood or hard rubber, to be grasped by the hand, keeping it in a proper position. To this are attached a couple of half-rings, serving as rests for the index and middle fingers. A penholder passes through the neck of the ball at a convenient place near the extremity, which can be adjusted and made firm by a thumb-screw. Thus; a person affected with writers' cramp may be effectually treated without being necessitated to leave off writing. In ordering, state if for large or small hand.

writers' cramp may be effectually treated without being necessitated to leave off writing. In ordering, state if for large or small hand.

CHAS. TRUAX & CO. GREENE

DEFORMITY APPARATUS.

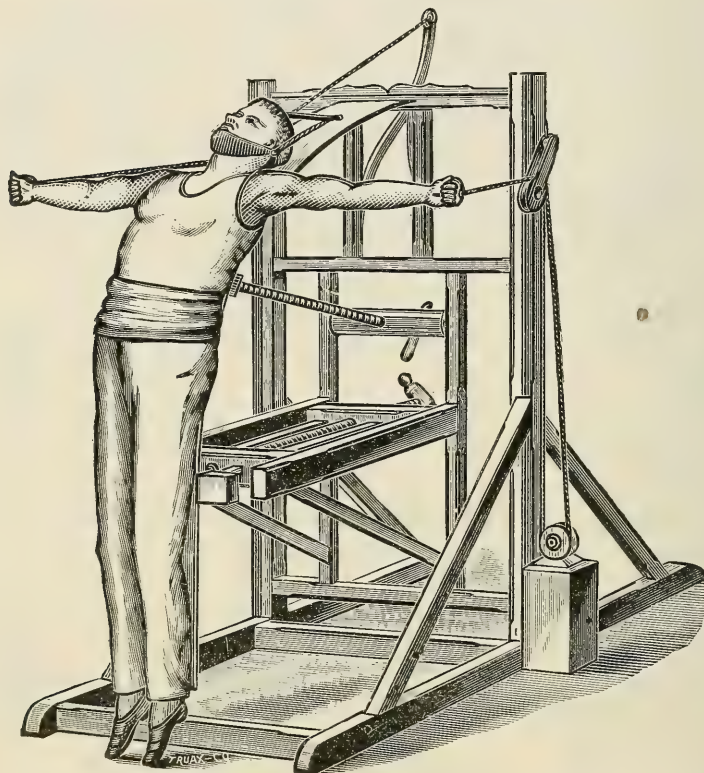


Fig 568—CHAS. F. STILLMAN'S UPRIGHT SPINAL EXTENSION FRAME.

Price to patients..... \$70 00.

See special instructions on page 551.

The employment of traction in affections of the spine is not of recent origin, horizontal couches provided with means for stretching the spinal column having been in vogue long anterior to the use of suspension, but the comparatively recent re-introduction of the latter principle has given it a new impetus, and traction in a straight line is now not only generally advised in the treatment of deformative conditions and diseases of the column, but also for the mechanical treatment of diseased conditions of the spinal cord itself. Traction upon a curved line, however, possesses so many advantages over this that I am constrained to advocate it strenuously.

You will notice that it consists of a curved board, against which the patient leans, the curve being increased or diminished by means of a strong screw.

Traction is effected by means of pulleys and weights attached to a sling passing under the chin and occiput. The arms may remain free for exercises with dumb bells, elastic cords or pulleys and weights, and slings may also pass under the axillæ, as in the Sayre method.

It will readily be seen that if the posterior surface of the trunk is placed against the curved board, and traction on the spine is exerted by means of the pulleys and weights, the spine will be placed in a state of extension, the chest capacity will be increased, and abdominal muscles strengthened, with a minimum of fatigue to the patient.



DEFORMITY APPARATUS.

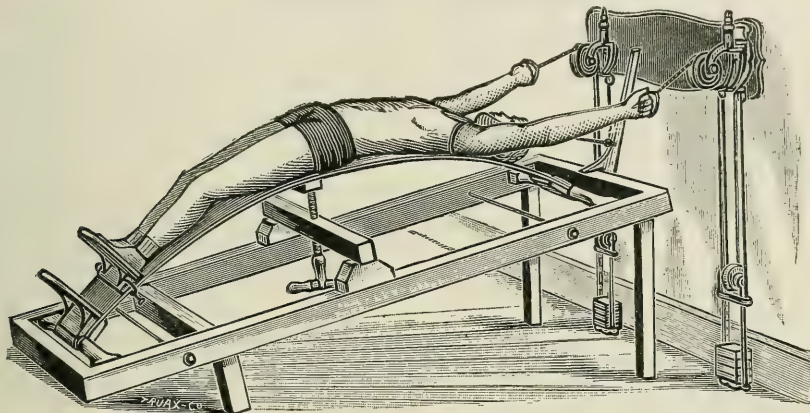


Fig. 569—CHARLES F. STILLMAN'S RECUMBENT SPINAL EXTENSION FRAME.

Price to patients..... \$50 00

See special instructions on page 551.

This frame, which I shall refer to as the *recumbent* (see above), is constructed upon the same principle as the upright, but a longer continuance of the traction is permitted while resting upon it than while using the upright form, and it is therefore better adapted for patients of delicate physique and those in advanced stages of disease.

The use of these frames is not by any means confined to the treatment of these three conditions, but they are the only ones which will engage our attention this evening.

In the earlier stages of the disease, and during convalescence, both frames may be used to advantage in conjunction with the spring lever brace (see Fig. 601) which I devised in 1883, and have since perfected, and which has since been described in various journals.

The forward pressure of the curved board upon the diseased vertebræ, which have a tendency to be absorbed anteriorly, and thus form a knuckle, is a powerful factor in the arrest of the disease and obliteration of the deformity when combined with traction. This is easily illustrated by taking a strip of lead or other metal and bending it in the form of a knuckle. If this strip is seized at each end and pulled, it will be found impossible to thus efface the knuckle without the expenditure of great force.

This procedure aptly illustrates the principle governing Sayre's suspension, and demonstrates why so little actual effect is produced upon the diseased portion of the spine by the method he advocates. On the other hand, if the strip is arched backward and pulled, the knuckle being at the same time pressed in a forward direction with the thumbs, it will be seen to disappear with the exercise of very slight force. This experiment illustrates very well the difference between Sayre's principle of suspension and the one I am advocating before you to-night, and which is exemplified in these frames.

CHARLES F. STILLMAN, M. D.

[Extracts from a paper read before the Chicago Medical Society, Dec. 2, 1889.]



DEFORMITY APPARATUS.

Fig. 570—CHAS. F. STILLMAN'S BRACE FOR POTT'S DISEASE.

Price to patients, without head or chin rests, according to size and style....\$35 to \$50

See special instructions at bottom of page 551.

In studying the mechanical problem involved in the treatment of spondylitis, there are two requisites which must be recognized: 1. Arrest of the disease. 2. Obliteration of the deformity.

Nature points out the direction in which force should be applied to produce curative results. Her indication for the treatment of Pott's disease is to put a splint on the back of the patient which will maintain this erect position, for, since the tendency of the disease is to curve the affected portion of the spine forward, the center of this curve being anteriorly, our corrective force should be applied to produce exactly an opposite curve to the diseased one, the center of such a corrective curve being posterior to the column. In other words, we must follow nature's lead, and hold the spine erect and slightly curved backward, the tendency of the disease being to curve it forward; and to thoroughly understand the principle upon which the new brace for this purpose is constructed, a patient having a well-defined knuckle is laid on his back upon a table, the padded edges of which come to the apex of the deform-

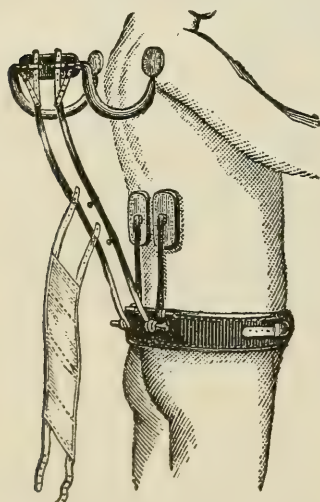


Fig. 570. Chas. F. Stillman's Design
Brace for lower dorsal region,
partially applied.

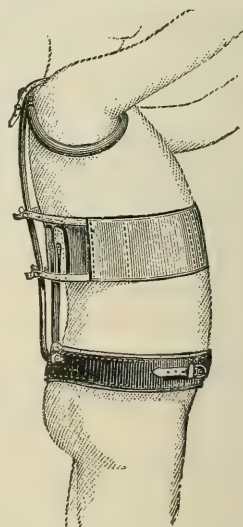


Fig. 571. The same
applied.

ity, the shoulders and head being allowed to fall downward. As the patient's head and shoulders descend, a partial but physiological and true extension of the spine is effected, the traction-force being all that portion of the patient above the seat of the disease. There is also a tendency to obliterate the knuckle, and this is only prevented from taking place entirely by such consolidation as has taken place.

If this position could be maintained indefinitely without mechanical support, there would be rapid improvement in the disease, but, as it is obviously impossible, we attempt to embody the forces involved in a brace constructed in two parts. The "table" portion of the brace (and by this we mean that portion which is to produce upon the patient an effect identical with the table, consists of a firm pelvic band, from which strong padded strips pass up on either side of the median line to the seat of disease (see Fig. 570), and these form the short arm of the lever.

CHAS. TRUAX & CO. GREENE & CO.

DEFORMITY APPARATUS.

The "backward-traction" portion of the brace consists of a back-frame secured on the pelvic girth by a ratchet or clamp, which allows it to be adjusted at any outward angle, and this regulates the amount of forward pressure upon the kyphos.

The angle at which this back-frame or long arm of the lever is thrown out from the body (see Fig. 570) determines whether the brace shall act as a lever or a simple fixation brace, and the angle between the long and short arms denotes the degree of power employed, so that when the back-frame is set outward at an angle with the short arm, and is drawn down to the body and fastened firmly (as shown in Fig. 571), the short arms terminating in the pads press forward upon the transverse processes of the diseased vertebræ with a constant elastic force.

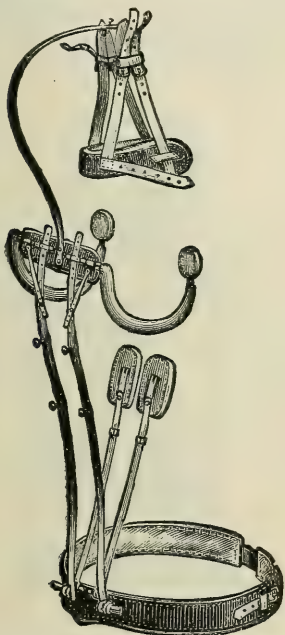


Fig. 572. Chas. F. Stillman's Brace for cervical region with jury mast attached.

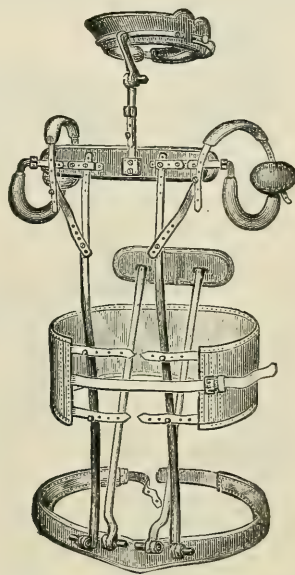


Fig. 573. Chas. F. Stillman's Brace for cervical region with chin-rest attached.

When this brace is secured to the body it forms a V-shaped lever, producing extension of the bodies of the vertebræ and tending to improve the deformity, while it maintains the spine firmly in the erect position, these being, as we have seen, the conditions for successful treatment. To illustrate this reversal of the lever, so as to obtain sufficient leverage for use in the lumbar region, a patient is laid on the back upon the padded table, and all that portion of the body below the seat of disease is allowed to hang over its edge, just the reverse of the position already demonstrated. In this manner we produce extension of the spine by means of the backward traction of the lower extremities, and also secure the forward pressure upon the kyphos by the edge of the table. It is to retain these effects when the direct position is resumed that we use the lever-brace, and to adapt it to this portion of the spine we reverse its construction.



DEFORMITY APPARATUS.

There are other features of this brace which deserve mention. It will be observed that, if the angle between the short and long arms of the lever is considerable, when the long arm is fastened firmly to the body, the bending forward tendency of the upper part of the trunk does not cause the spine to give way at the seat of disease; for in proportion as the patient leans forward, the short arms press forward upon the kyphos and oppose a resistance to the bending at that point, so that by the brace a curvative automatic effect is maintained to keep the body erect, and at the same time prevent further deformity while tending to improve that which already exists. Furthermore, the *spring* effect produced by the setting off of the traction frame and drawing it forward against the body, which is thus held erectly when properly strapped, causes the brace to be held more tightly against the back, and insures a higher degree of fixation than any other form of apparatus in use.



Fig. 574. Chas. F. Stillman's Brace for upper lumbar region, partially applied.

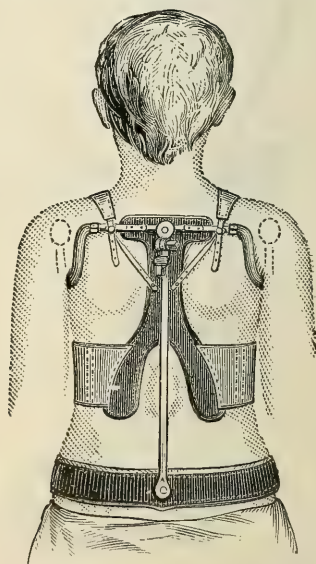


Fig. 575. The same applied. (Rear view.)

In the beginning of the treatment it is well to have the traction-frame set off at such an angle as to cause considerable pressure upon the transverse processes of the kyphos, and insure thorough extension of the diseased portion: but this angle may be lessened week by week as the case improves, until finally the traction frame lies directly upon the pads, and the brace becomes a mere fixation brace, without any leverage whatever.

For the middle dorsal region the short arms of the lever are longer than in the lower dorsal, so as to be opposite the seat of disease.

For the upper dorsal region the short arms pass to the seat of disease, making a very light and effective brace for this region, which is generally considered to be the part of the spine least amenable to mechanical treatment.



DEFORMITY APPARATUS.

For the cervical region, or disease of the first and second dorsal vertebræ, the brace should have added to it a jury-mast (as in Fig. 572) or a head piece (as in Fig. 573), which is provided with facilities for fixing the head firmly in any position, by the insertion in the neck-strip, connecting the head-piece with the rest of the brace, of three clamps which are so placed as to secure this object. The choice between the jury-mast and fixed head piece in these cervical cases is usually one which the surgeon is called upon to decide for himself, and is to some extent regulated by the gravity of the case, the latter being usually more effective in caries which is proceeding very rapidly in its course.

When the disease is situated in the lumbar, or in some cases in the lower dorsal region, and the short arms of the lever are too short to exert sufficient forward pressure upon the kyphos, the lever is reversed, the point of intersection of the long and short arms being placed in the dorsal region instead of over the sacrum.

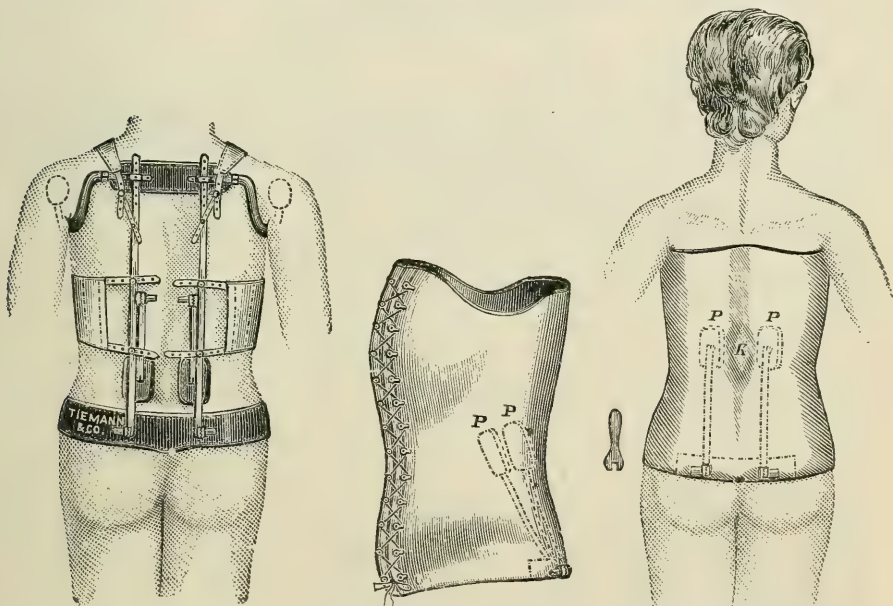


Fig. 576. Chas. F. Stillman's Brace for caries of the lower lumbar vertebræ. **Fig. 577.** The spinal jacket provided with springs. **Fig. 578.** The spinal jacket provided with V springs, applied.

From this the short arm lever strips pass down on either side of the spine to the seat of disease, where they terminate in pads, and the long arm of the lever passes to the sacrum, there terminating in the pelvic girth, as in Figs. 574, 575 and 576.

It will be observed that the brace shown in Figs. 574 and 575 is provided with a compound ratchet at the upper extremity of the long back-strip. This is for the purpose of overcoming the lateral distortion, which is so often an accompaniment of caries in this region.

The plaster jacket may also be provided with springs, as in Figs. 577 and 578, thus converting it from a passive into an active brace, but, as it does not extend so high up the spine as the brace, it is not equally effective.



DEFORMITY APPARATUS.

Advantages of braces constructed on the V principle:

1. They hold the spine rigidly in the erect position, and at the same time bring automatic spring pressure to bear at the seat of disease, thus producing the very best conditions for rapid and complete recovery.
2. They are removable at pleasure, and can be worn over an undershirt, so that absolute cleanliness can be secured.
3. The power is adjustable, so that changes can be made during the different stages of the disease without the necessity of purchasing other apparatus.
4. They can be worn with perfect ease and comfort.
5. Those provided with acromial pads do not in the least impede respiration, but rather tend to increase its capacity by holding the shoulders back.
6. By their combined backward traction and forward pressure, they retain the spinal column in a condition of absolute rest, and at the same time relieve the inflamed parts from the pressure of the superincumbent weight, and reduce deformity.

CHAS. F. STILLMAN, M. D.

DIRECTIONS FOR MEASUREMENTS.

As per diagram on page 552.

1. Sex of patient.
 2. General appearance of patient.
 3. Lay a soft piece of lead-wire along the back, moulding it exactly to the spine, from the seventh cervical vertebra to the middle of the sacrum. With this pattern trace carefully the shape of the spine on a sheet of paper, marking the points opposite the upper and lower borders of the scapula and the crest of ilium.
 4. Circumference of body between crest of ilium and trochanter major (L).
 5. Circumference of body at waist (X).
 6. Circumference of body under axillæ (U).
 7. Distance between the upper borders of the scapulæ (7 to 7).
 8. Distance between the lower borders of the scapulæ.
- If jury mast or head rest is required, give additional measures, same as for Fig. 552.

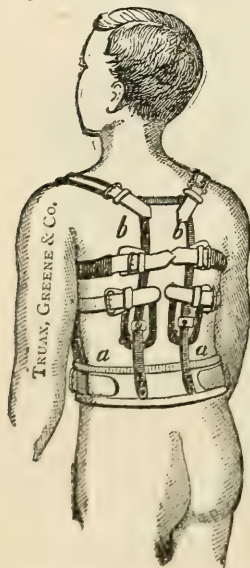


Fig. 581. WASHBURN'S SPINE BRACE.

Price to patients.....\$15 00 to \$20 00

See special instructions at bottom of page 551.

In the accompanying figure, *aa* is a band of steel, which passes half way around the pelvis, just above the trochanters; *bb* are two flat bars of steel parallel to each other, and curved upon their flattened sides to the form of the patient. These bars are curved a little less than the spine, so that when secured in position, their elasticity will operate to rectify the spinal curve. The cross-bar at the upper ends of the parallel ones is firmly riveted to them, and crosses the back just above the spines of the scapulæ. At the ends of this bar are affixed buckles which receive the shoulder straps. Buckles are attached to various parts of the brace by means of which it is secured to the front part of the apparatus, which consists of a piece of strong material covering the chest and abdomen.

Fig. 581. Washburn's Spine Brace.



DEFORMITY APPARATUS.

Fig. 581. WASHBURN'S SPINE BRACE.

DIRECTIONS FOR MEASUREMENTS.

See diagram on page 552.

1. Patient's name.
2. Age and weight.
3. Distance from sacro lumbar articulation to vertebra prominens (4 to 13); from sacro lumbar articulation to first vertebra involved (4 to 5); from sacro lumbar articulation to last vertebra involved (4 to 6); from crest of ilium to axilla, right side (9 to 8); from crest of ilium to axilla, left side (9 to 8); from center of one scapula to the center of the other (7 to 7); from point of greatest curvature to an imaginary line drawn from 10 to 11; circumference of chest under axillæ; circumference of pelvis one inch below iliac crests (L).

DR. CHAS. F. TAYLOR'S APPARATUS FOR POSTERIOR CURVATURE OF THE SPINE, WITH ATTACHMENTS FOR DISEASED CERVICAL REGION.

Price to patients, according to size and style.....\$30 00 to \$50 00

See special instructions at bottom of page 551.



Fig. 583.

Taylor's Spinal Apparatus.

In this apparatus we have direct pressure on the transverse process of the spinal column, with the additional suspension necessary in the mechanical treatment of such diseases. The object of this arrangement is, that the parts may be directly acted upon, and that the pressure shall be made directly upon the parts where most needed, and where the disease can be best controlled.

Pads are made of chamois skin, filled with hair, making them at once soft, durable and flexible. If desired, these pads can be made of rubber, especially molded to the parts involved, which presents at once a smooth and easy-acting surface. To the brace is attached by buckles (as seen in cut) a broad, substantial belt, crossing the abdominal parts and chest, assisting in holding the apparatus to the proper position.

MEASUREMENTS REQUIRED.

See diagram on page 552.

1. Give as full particulars of the case as is possible, whether the curve is to right or left, and, if convenient, a plaster cast of the patient's back; if not possible, take a piece of soft lead, mold it to the back, being particular to give all of the indentations or prominences caused by the disease, covering the full length of the spine, and trace the curves on a paper to be sent with order; circumference of the body between crest of ilium and axilla.
2. Circumference of body one inch below crest of ilium (L).
3. Distance from center of one scapula to center of the other (7 to 7).

For the additional attachments controlling the cervical portion of the spine, give the following measurements:

4. Vertebra prominens to base of head (13 to 14).
5. Circumference from vertebra prominens around chin, giving particulars as to formation of inferior maxillary.



DEFORMITY APPARATUS.

Fig. 583 A. RIDLON'S SPINAL BRACE.

Price to patients, according to size and finish.....\$20 00 to \$30 00

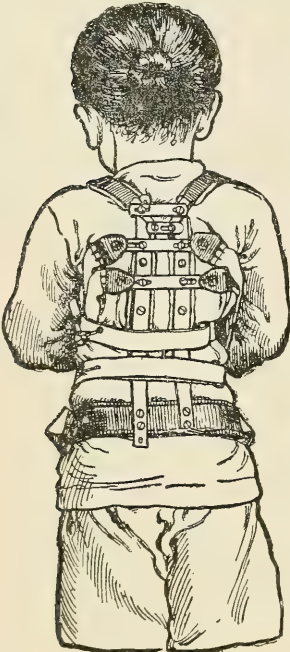


Fig. 583 A.

This is an antero-posterior leverage spinal brace, modified from one of the earlier forms of the Taylor brace. The parallel uprights are continuous pieces, and the pad-plates are screwed to them instead of forming a connecting link between the upper and lower segments. The shoulder-pieces are adjustable. There are two cross-pieces, the upper opposite the lower border of the axillæ for the upper straps of the apron, and the lower at the lower angle of the scapulæ for the shoulder-straps. The hip band passes around the back of the pelvis from a point just above one great trochanter to the same point on the opposite side. This and the shoulder-pieces are padded with blanketing and covered with leather. The pads, which are sewed to the pad-plates, are of powdered cork, or piano felt, covered with canton flannel. The brace is held against the patient by an apron reaching from the flexures of the thighs to the level of the axillæ.

To measure for this brace an outline tracing of the line of the spinous processes should be made upon strong paper, and the location of the cross-pieces and pad-plates indicated, and the length of the hip-band given.

The brace is not so readily fitted over a severe deformity as one in which the parallel uprights are in three parts as indicated in the description of the modern Taylor spinal brace.

Fig. 583 B. RIDLON'S CONVALESCENT SPINAL BRACE.

Price to patients, according to size and style.....\$20 00 to \$30 00

This differs from the brace described on page 565 (or last described), only in omitting the cross-pieces and the apron. The shoulder-straps pass to buckles screwed to the uprights opposite the lower angles of the scapulæ. The brace is further held in place by a broad belt passing across the lower abdomen. The measurements for this brace are taken in the same way as the brace last described.

Fig. 583 C. THE BOSTON SPINE BRACE.

Price to patients.....\$15 00 to \$20 00
With head rest.....20 00 to 25 00

This is a modification of the modern Taylor spine brace. It is made from annealed steel and can readily be bent to fit a varying deformity. Without the chin support the brace reaches from the top of the shoulders to the hollows back of the hip bones, and thus exerts the longest possible leverage. Riveted to the surface next the patient is a piece (or two pieces as shown in the illustration) of truss-leather. Pads may be added at the kyphosis if desired. The brace is held in place by an apron



DEFORMITY APPARATUS.

in front with straps, which pass to the various buckles. Perineal straps pass from the lower buckles and prevent riding upward. When disease is above the eighth dorsal vertebra the chin support should be used. This plays free on a pivot unless disease be in the cervical region, when it is made fast by a set-screw.

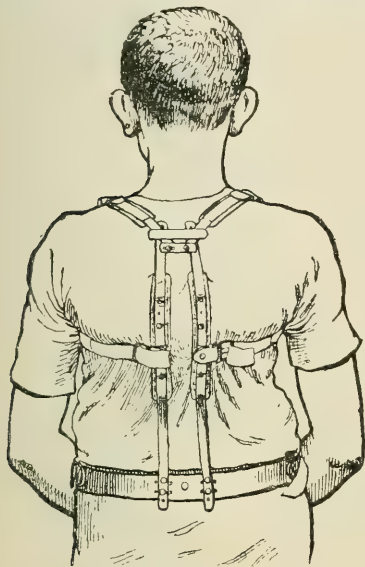


Fig. 583 B.

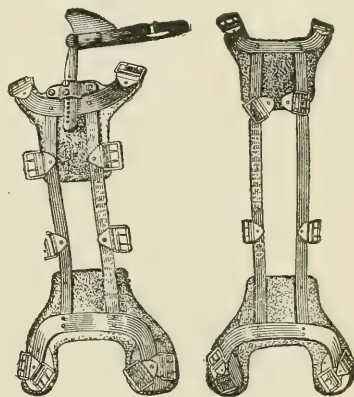


Fig. 583 C.

The most satisfactory guide for making the brace is a plaster cast of the patient's back, made when lying prone. In lieu of this an outline tracing of the line of the spinous processes should be made on strong wrapping paper, and the curve of the neck-piece and hip-piece also should be indicated. If pads are desired over the kyphosis it should be so stated.

Fig. 584. THE MODERN TAYLOR SPINAL BRACE.

Price to patients, according to size and style.....\$35 00 to \$60 00

This is the form of antero-posterior leverage spinal brace now used by Dr. Charles Fayette Taylor and his son, Dr. Henry Ling Taylor. It is the perfected form of the spinal brace which goes by their name. It consists of two parallel uprights, separate a sufficient distance to rest posterior to the transverse processes of the vertebrae; each upright is composed of three pieces, the middle one of which is the pad-plate; at the top are riveted two diverging shoulder-pieces, which hug the roots of the neck to the right and the left; a cross opposite the axillæ to receive the upper straps of the apron, and a curved hip-piece, as shown in the illustration. The length of the parallel uprights is from the posterior superior spines of the ilia to the first dorsal vertebra. The curved hip-piece passes from the lower ends of these uprights to the right and left, and then turns downward to terminate in a flat pad, posterior to each great trochanter. In front two ear-shaped pieces fit against the chest, just in front of the shoulders, and are connected by an adjustable bridge. The brace is

DEFORMITY APPARATUS.

made from annealed steel, polished and nicked; the bearings under the shoulder-pieces, pad-plates, post-trochanteric pads, and ear-shaped pieces in front are all of hard rubber moulded to fit.

The brace cannot be satisfactorily made except by repeated fittings upon a plaster cast of the patient, or upon the body of the patient himself.

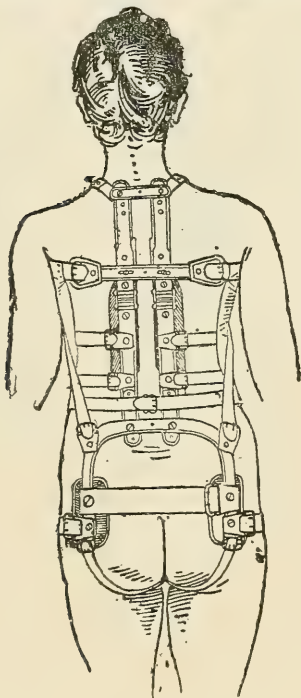


Fig. 584. [Rear View.]

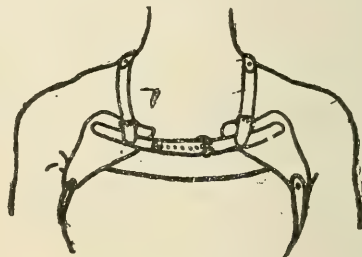


Fig. 584. [Front View.]

As used by Dr. Ridlon the ear-shaped pieces are usually omitted, and the bearings are all padded, or of sheet steel, faced with truss-leather. Made thus, a brace constructed from a paper pattern can be readily fitted.

To measure for the brace take a tracing of the spine from the first dorsal to the fifth lumbar vertebræ, inclusive, indicate the divergence of the shoulder-pieces, the place of the cross-piece, and the pad-plates, and trace the curve of the hip-piece. All braces require more or less adjustment with the wrenches to make an accurate fit to the patient.

WRENCH FOR BENDING SPINAL BRACES.

Price, per pair.....\$4 50
Price, per pair, nicely nicked..... 5 00

These wrenches are sold in pairs, and of any length desired. Rarely will a wrench of less than seven or more than fourteen inches in length be required. In ordering, state length desired and width of bite, otherwise ten-inch length, with bite $\frac{3}{4}$ to $\frac{5}{8}$, will be furnished.



Fig. 584 A.

HAS TRUAX GREENE & CO.

DEFORMITY APPARATUS.

DR. A. E. HOADLEY'S SPINE BRACE FOR POTTS' DISEASE.

Price to patients.....\$20 00 to \$30 00

This brace, as used by Dr. Hoadley, is recommended for its simplicity of construction and efficiency in treating Potts' disease, especially those cases of long standing. The entire upper portion is hinged at the pelvic band to allow the belt to adjust itself. There is also an attachment for giving motion in the lumbar region. It provides for the motion of the hips, and obviates the tendency of the brace to climb up.

Measurements required same as Fig. 585.

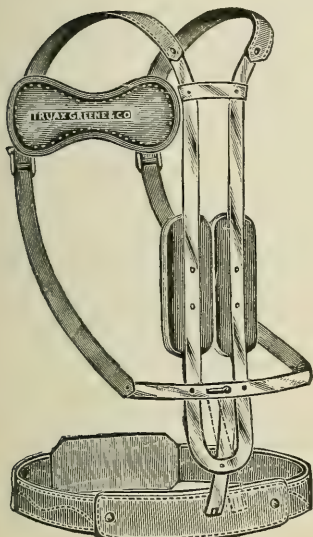


Fig. 584 B.

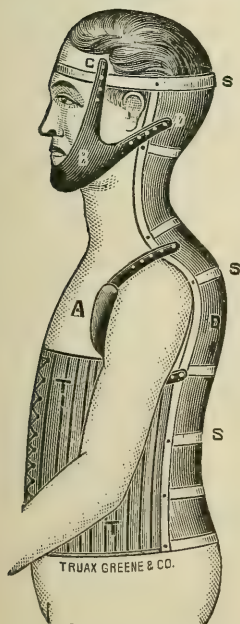


Fig. 584 D.

circumference of chest. 5. Circumference of waist. 6. Circumference of pelvis, one inch below iliac crests. 7. Distance from axilla to crest of ilium.

Fig. 584 C. ANDREWS' LIFTING JACKET FOR POTTS' DISEASE.

Price to patients.....\$35 00 to \$45 00

Cases of Potts' disease in the lower part of the spine are very much benefited by this apparatus. It is constructed in two parts, a chest and a pelvic portion, which are separated

by two uprights. The hip armour, *h*, is hinged and fitted to the pelvis. The uprights, *u*, are attached to this armor in the front and back and end in nuts and screws in the steel ring over the shoulders, *r*. The leather jacket, *j*, is fitted to the form and attached at the upper margin to the ring, *r*, and the shoulder-straps, *s s*.

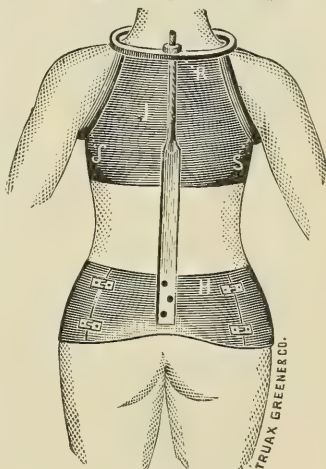


Fig. 584 C.

Fig. 584 D. ANDREWS' SPINAL BRACE FOR POTTS' DISEASE IN THE NECK.

Price to patients.....\$40 00 to \$50 00

This appliance, which combines the spinal brace and jury mast, is suitable for treating cases of cervical Potts' disease. It consists of a back mould, *d d*, made of sole-leather on a plaster cast of the patient's back. The leather is stiffened and its form maintained by steel strips, *s s s*. The head is held in position and supported by a chin strap, *c b*, and the shoulders are confined by the straps, *a*. The front or abdominal portion of the corset, *t t*, is made of cloth and laces down the front.

DIRECTIONS FOR MEASUREMENTS.

1. Age, name and sex of patient.
2. Send a plaster mould of patient's back, made while patient lies face downwards and extended as much as possible.
3. Circumference of cranium above ears.
4. Circumference of waist.
5. Circumference of pelvis, one inch below iliac crests.
6. Distance from axilla to crest of ilium.



DEFORMITY APPARATUS.

Fig. 585. IMPROVED BRACE FOR POTTS' CURVATURE OF THE SPINE.

Price to patients.....\$35 00

See special instructions at bottom of page 551.

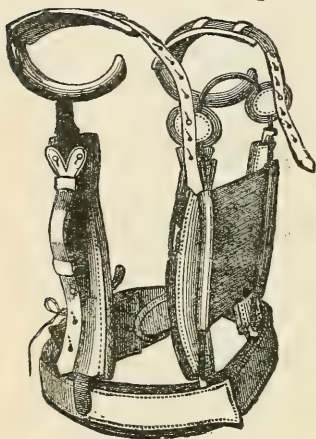


Fig. 585.

Improved Brace for Potts' Disease.

This brace is intended to afford an elastic and gentle pressure to the parts to which it is applied, giving to the patient an easy and comfortable feeling. It is made of light tempered springs, and softly padded wherever it comes in contact with the body.

The belt below passes around the pelvis, and the principal weight is thrown upon the gluteal region. Two upright parallel bars pass on each side of the posterior elevation, having a portion of silk elastic rubber between them, for the purpose of preventing further curvature. If the latter is inflamed, a portion cut out of the elastic material prevents direct pressure upon the extremity of the bone. Upon these side bars are attached two elliptic and padded springs, yielding to every pressure, and adapting themselves to the spinal column, and keeping the body in an erect position. The two padded crutches are elastic and elevate the body, pressing mostly under the margin of the scapula.

DIRECTIONS FOR MEASUREMENTS.

See diagram on page 552.

1. Patient's name (or sex).
2. Patient's age.
3. Patient's weight (estimated).
4. Distance from sacro lumbar articulation to vertebra prominens (4 to 13).
5. " " " " " to first vertebra involved (4 to 5).
6. " " " " " to last " " (4 to 6).
7. " " Crest of ilium to axilla, right side (9 to 8).
8. " " " " " left side (9 to 8).
9. " " the center of one scapula to the center of the other (7 to 7).
10. Horizontal (transverse) diameter of the protuberance (10 to 11).
11. Circumference of chest under axillæ (U).
12. Circumference of pelvis 1 in. below the iliac crests (L).

Fig. 587. DELICATE BRACE FOR ANTERIOR CURVATURE.

Price to patients.....\$35 00 to \$40 00

See special instructions at bottom of page 551.

This brace is intended only for cases where the deformity is mild, or when the physical condition of the patient will not admit of a heavier apparatus. It is constructed of the finest steel, delicately wrought and neatly padded, the brace in every way being made as light and delicate as possible.

Directions for measurement the same as for Fig. 581.

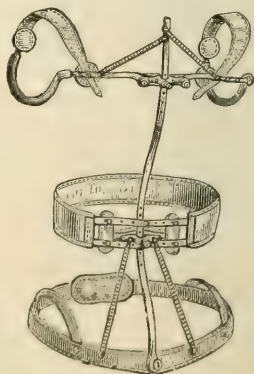


Fig. 587. Delicate Brace for Potts' Disease.

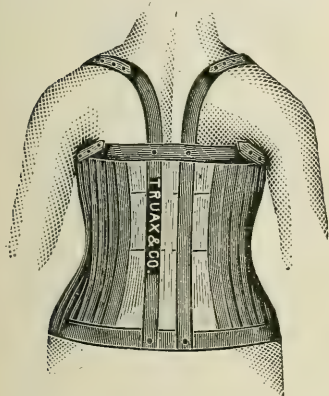


DEFORMITY APPARATUS.

Fig. 588. E. S. ANDREWS' SPINE BRACE FOR POTTS' DISEASE.

Price to patients.....\$20 00 to \$25 00

See special instructions at bottom of page 551.



In the construction of this splint we combine both the correcting influence of a splint and the comfort and passive action of the corset. The first tends to relieve the inflammation by pressing upon the articular processes from behind, thus taking the weight from off the bodies of the vertebræ and allowing them to get well spontaneously. The latter acts as an inverted cone, for when tightly laced it tends to push upward from the hips, thus producing slight traction, besides furnishing a firm support for the chest.

DIRECTIONS FOR MEASUREMENTS.

See diagram on page 552.

Fig. 588. Andrews' Spine Brace.

1. Age and sex of patient.
2. Distance from sacro lumbar articulation to vertebra prominens (4 to 13).
3. " " " " " to first vertebra involved (4 to 5).
4. " " " " " to last " " (4 to 6).
5. Circumference of pelvis just below iliac crests (L).
6. " at waist (X).
7. " at axillæ (U).
8. Distance from center to center of scapulæ (7 to 7).
9. " crest of ilium to axilla (9 to 8).
10. Mould a piece of bar lead or wire to the shape of the spine, and trace shape on paper, showing location of sacro lumbar articulation, vertebra prominens and protuberance.

Fig. 589. DAVIS' APPARATUS FOR CRIES OF THE SPINE.

Price to patients.....\$25 00

See special instructions at bottom of page 551.

This brace is only adapted to moderate cases where the curvature is between the sacro lumbar articulation and the lower edges of the scapulæ. It consists of a band of steel encircling one-half of the pelvis, and having the ends united with a leather band; to this are attached two upright parallel bars of thin, well tempered steel, shaped to fit the spine and curvature, and having two pads placed in a proper position to exert a gentle pressure on the protuberance. The tops of these bars are held in place by a band passing around the chest and to which is attached a strong piece of cloth which forms the front of the brace.

Directions for measurement the same as for improved brace, No. 585.

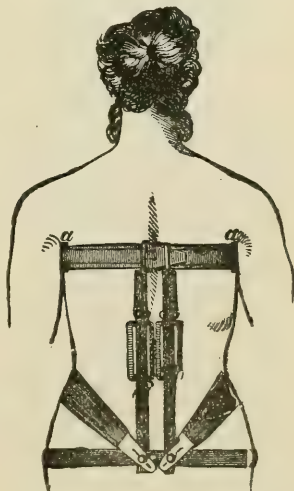


Fig. 589. Davis' Spine Brace.



DEFORMITY APPARATUS.

Figs. 593 and 594. PERFORATED LEATHER JACKET.

Price to patients, according to size\$25 00 to \$40 00

See special instructions at bottom of page 551.



Fig. 592.

In the accompanying illustrations we show the application of a perforated leather jacket to a case of antero-posterior curvature of the spine combined with a slight inclination to lateral curvature. The brace consists of a leather corset accurately molded to the body and properly strengthened with well tempered steel stays, shaped to conform to the contour of the body when in a normal condition, thus furnishing special support to the vertebra involved.

Owing to its funnel shape above the waist and by means of crutches placed under the arms, it produces partial suspension, which not only prevents the further spread of the disease, but completely controls the disposition to inflammation, so common to these cases.



Fig. 593. Perforated Leather Jacket.
Front View.

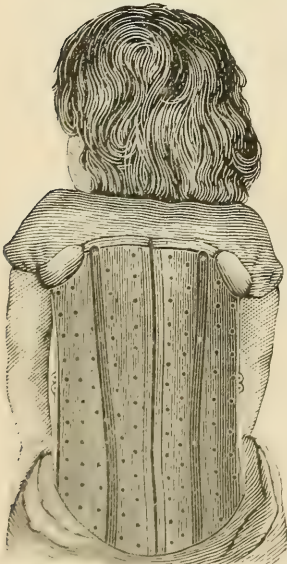


Fig. 594. Perforated Leather Jacket.
Rear View.

Fig. 592 shows the condition of the patient when presented for treatment. Fig. 593 gives a front view of the corset after application. Fig. 594 presents a rear view of the same, showing the steel stays bearing upon the transverse processes of the vertebra.

These braces are a great improvement over plaster paris jackets, being much lighter, more comfortable and cleaner, besides being easily removed. They are perforated, permitting the free passage of air and allowing the body to throw off its natural exudations.

We have applied a large number of them within the past two years, and so far as we have been able to learn, everyone of them has proven satisfactory to both physician and patient.

Better results can be obtained by sending the patients to us, that we may apply the brace ourselves, but when this is not feasible we can secure a fit if furnished with a well-fitting plaster paris jacket, having the diseased portion and all prominences carefully marked on the inside of the jacket. This plaster paris jacket must, however, be applied while the patient is suspended by Dr. Sayre's or some similar method. No measurements are necessary other than the careful marking of the jacket, which should include the iliac crests and extend to or above the axillæ.

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DEFORMITY APPARATUS.

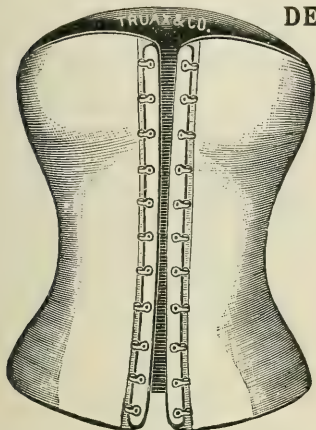


Fig. 595. Leather Facing and Patent Lacing Hooks attached to Sayre's Plaster of Paris Jacket.

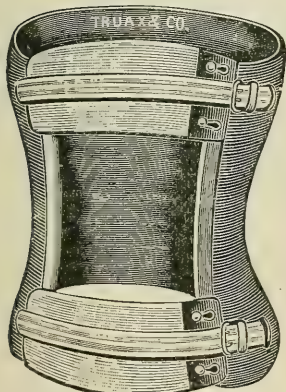


Fig. 597. Roberts' Metal Clasps for Plaster of Paris Jackets.

Fig. 598. ROBERTS' SEGMENT BRACE AND SPINAL EXTENSION.

Price to patients, if made of leather...\$35 00 to \$40 00
 Price to patients, if attached to plaster jacket, jacket to be furnished by patient..... 20 00 to 25 00

See special instruction on page 551.

This brace is so well shown in the illustration that a further description is unnecessary. It may be made of either leather, felt or plaster of paris bandages. This brace is open in the front and the sides are held in the same manner as Fig. 597. In order to produce extensions, steel springs are introduced between the segments that exert an upward and downward pressure.

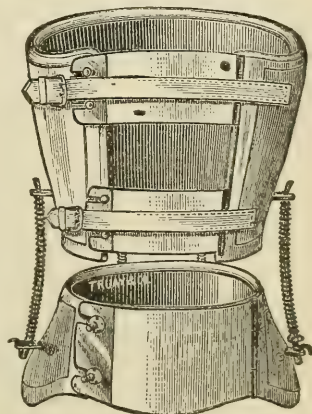


Fig. 598. Roberts' Segment Brace.

Fig. 595. LEATHER FACING AND PATENT LACING HOOKS FOR SAYRE'S PLASTER OF PARIS JACKET.

Price to patients, for putting on leather facing and lacing hooks..... \$3 50
 If with chamois lining..... 6 00
 If with strips only, ready for attaching to jacket..... 1 00

See special instructions at bottom of page 551.

The advantages offered by this improvement permit of the easy removal of the jacket, besides an amount of adjustment not possible with a solid one. It may easily be removed at night or for bathing purposes, while its merits when compared with a plain one remain unimpaired.

Fig. 597. ROBERTS' METAL CLASPS FOR PLASTER OF PARIS JACKETS.

Price (Jacket to be furnished by patient) to patients, \$5.00 to \$7.00, according to size.

See special instructions at bottom of page 551.

In order to make a jacket removable for the purposes of cleanliness and the manipulation of the truncal muscles, and yet to retain its full supporting power, we have made use of metallic clasps, secured in position by elastic bands passing over them. They are attached to the jacket at the removal of a wide longitudinal section in front. Being curved so as to correspond to the contour of the chest and abdomen, and closed by means of strong bands of rubber webbing, the anterior part of the chest is not pressed upon, nor are the movements of respiration unduly restricted, as they are when the ordinary non-elastic corset lacings and mountings are used. The metallic clasps are neatly covered with buckskin.



DEFORMITY APPARATUS.

Fig. 599. THE BEELY SPINAL CORSET.

Price to patients..... \$50 00 to \$75 00
 (See special instructions at bottom of page 551.)

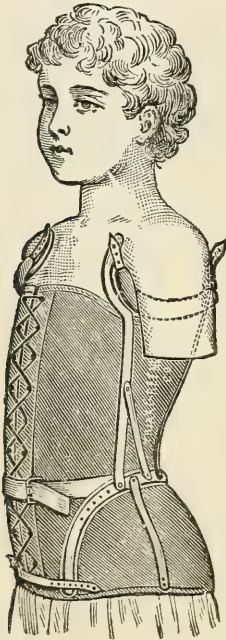


Fig. 599. Front view.

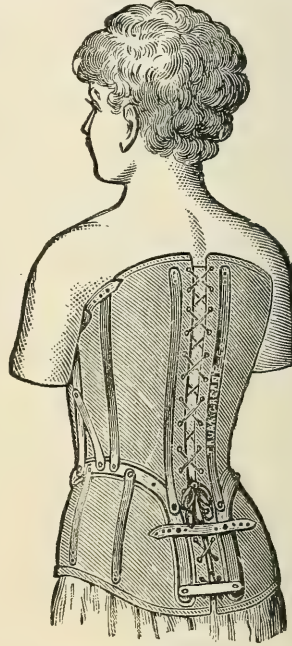


Fig. 599. Rear view.

This appliance was devised by Dr. F. Beely, of Berlin, Germany, and is used by him with excellent results. Its use in the United States is of comparatively recent date, but it has been very satisfactory where the surgeon has succeeded in having the corset properly made and accurately fitted to patient. It can be used in the treatment of either scoliosis or kyphosis, though Dr. Beely recommends it particularly for the former deformity. It is made upon a cast of the patient, which should be made while the patient is suspended, or it is fitted to the patient himself, where convenient. The appliance is made of strong cloth and spring steel work, except the pelvic portion, where the steel should be malleable. It is made to lace front and back, admitting of easy removal or application. Axillary crutches support the trunk, and the careful fitting over the hips gives a good foundation to a proper corrective force. If the patient cannot come to our establishment for a fitting, a plaster mould of the body, made in the usual way (it must come low down over the pelvis), must be sent to us carefully boxed, with such particulars of the case as will aid us in the construction of the corset.



DEFORMITY APPARATUS.

CHAS. F. STILLMAN'S BRACE FOR LATERAL CURVATURE.

Price to patients, without cervical portion.....\$50 00

See special instructions at bottom of page 551.

"This brace is constructed in three parts—dorsal, pelvic and cervical. The first or *dorsal*, consists of a broad pad placed high up across the shoulders, and from this descend two metallic strips, terminating in pads in the lumbar region. From these strips the stiff metallic semi-girths (*b b*) pass practically around the body, the upper one being over its protuberant scapula, and the lower one carried around to press upon the protuberant ribs anteriorly. From each side of the transverse pad (*a*) pass



Fig. 600—Illustrating Curvature when Patient has no Support.

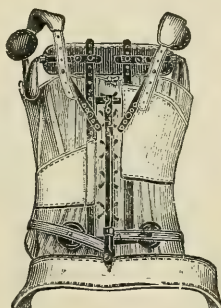


Fig. 601—Chas. F. Stillman's Brace for Lateral Curvature, combined with Corset. (Posterior view.)

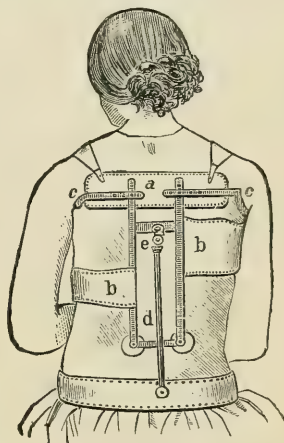


Fig. 602—Showing Principal Features of Stillman's Brace.

axillary crutches (*cc*), terminating anteriorly in large pads which lift and press the shoulders backward without impinging or pressing upon the infra-clavicular spaces.

"The material of which these crutches are constructed is of sufficient firmness not to yield to the twisting efforts of the patient, although they may be bent into any position by the orthopedist's hands, and they serve a very important purpose in regulating the position of the shoulders and upper extremities. The dorsal portion of the brace may be incorporated into a corset if desired (see Fig. 601), several of the straps which are used to fasten it firmly to the body being omitted in the drawing, as they might tend to confuse the reader in understanding the construction of the brace.

"The *pelvic* portion of the brace consists of a padded pelvic girth, which locks in front, is very stiff, and is attached to the dorsal portion by a long bar (*d*), which terminates superiorly in my compound clamp (*e*). This clamp has been described before in various journals, and permits the pelvic portion to be fixed at three different angles with the dorsal, to which it is attached. By it we may exercise a rotary active force, an antero-posterior force and a lateral force—thus bringing a compound twisting force to bear upon the spine. If the dorsal portion of the brace be first se-



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curely fastened to the body and the clamp regulated properly, when the pelvic portion is secured, we have the body held hyper-erectly, the protruding scapulæ and ribs pressed upon, and the shoulders squared by an active backward latero-oblique force from which the patient cannot escape.

"The *cervical* portion is only necessary when the curvature is high, and then a chin-piece is used, attached to the dorsal portion by a bar provided with the compound clamp already described; but this portion of the brace is not shown in the drawing. In applying this brace the patient is first suspended so that the abnormal curves may be reduced as much as possible before its application. It will then tend to retain the favorable position produced by the suspension, and, indeed, improve it by means of the active twisting force it brings to bear. CHAS. F. STILLMAN, M. D."

DIRECTIONS FOR MEASUREMENTS.

Same as for Fig. 604.

Fig. 604. IMPROVED BRACE FOR LATERAL CURVATURE.

Price to patients\$35 00

See special instructions at bottom of page 551.

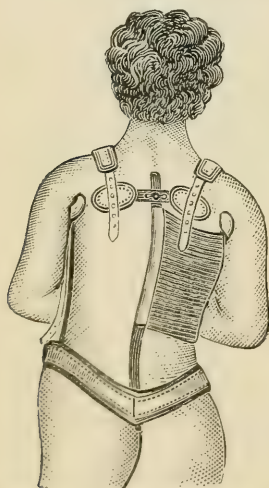


Fig. 604. Improved Brace for Lateral Curvature.

To the pelvic belt are attached, laterally, two elastic crutches, so as to relieve the spine of the weight of the trunk. Posteriorly, a single, strong, upright bar, holding a couple of adjustable pads for the scapulæ, and just below, a leather band, of proper width, terminating in strong elastic India-rubber webbings. This band is passed around the protuberance obliquely, and buckled to the pelvic belt in front, an inch or two beyond the *linea alva*.

MEASUREMENTS REQUIRED.

As per diagram on page 552.

1. Patient's name (or sex).
2. Patient's age.
3. Patient's weight (estimated).
4. Distance from sacro lumbar articulation to vertebra prominens (4 to 13).
5. Distance from sacro lumbar articulation to first vertebra involved (4 to 5).
6. Distance from sacro lumbar articulation to last vertebra involved (4 to 6).
7. Distance from crest of ilium to axilla, right side (9 to 8).
8. Distance from crest of ilium to axilla, left side (9 to 8).
9. Distance from the center of one scapula to the center of the other (7 to 7).
10. Horizontal (transverse) diameter of the protuberance (10 to 11).
11. Circumference of chest under axilla (U).
12. Circumference of pelvis one inch below the iliac crests (L).

In addition to the above measures, please state if the convexity of the curve is to the right or left side. In the diagram on page 552 it is to the right.



DEFORMITY APPARATUS.

Fig. 605. LEVER APPARATUS FOR LATERAL CURVATURE.

Price to patients.....\$45 00

See special instructions at bottom of page 551.

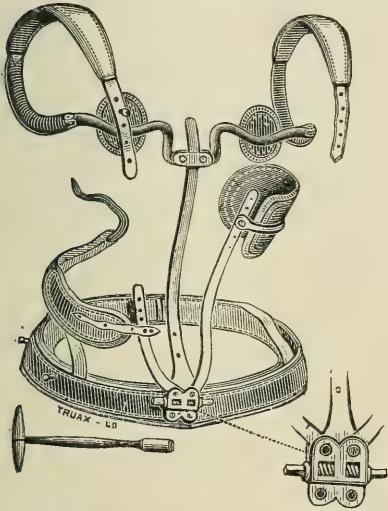


Fig. 605. Apparatus for Lateral Curvature.

This apparatus consists of a well padded steel pelvic band, to the posterior center of which is attached an upright steel bar, its curves conforming to those of the spine, and holding at its upper extremity upon an adjustable cross-piece two oval pads, resting upon the shoulder blades when the brace is applied.

Attached to the ends of the adjustable cross-piece, by means of horizontal joints, are padded crescent shaped crutches, terminating in padded shoulder straps which fasten on buttons, placed upon the oval shoulder blade pads. These support the upper portion of the trunk and stay its forward tendency.

To the posterior center of the pelvic band is attached also a metal box, containing two archimedian screws which move with the aid of the key (so as to exert and maintain any amount of pressure against the protuberances); the two upright bars armed at their upper extremities with well padded metal

adjustable pads. As the uprights are constructed of spring tempered steel, all pressures exerted by them in combating the deformities are elastic while constant.

MEASUREMENTS REQUIRED.

Same as for Fig. 604. See diagram on page 552.

Fig. 608. WOLFF'S SPINAL CRADLE.

Price to patients.....\$10 00 to \$15 00

See special instructions at bottom of page 551.

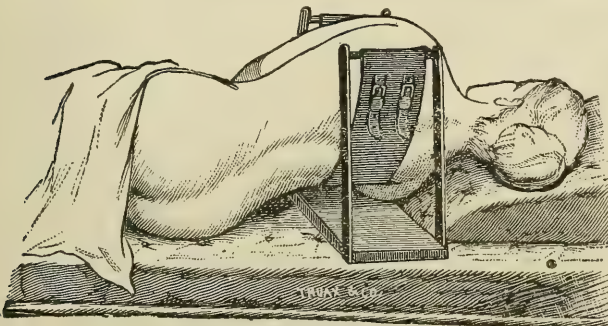


Fig. 608. Wolff's Spinal Cradle.

This apparatus is intended to produce temporary extension by placing the offending muscles on a stretch. The belt passes under the projecting ribs and shoulder blade, thus bringing the weight of the trunk on these parts, while gravity assists in overcoming the curve in the lumbar region.

In ordering, state whether for child or adult.

DEFORMITY APPARATUS.

Fig. 608 B. ANDREWS' MODIFICATION OF LATERAL CURVATURE SPINAL BRACE.

Price to patients.....\$35 00

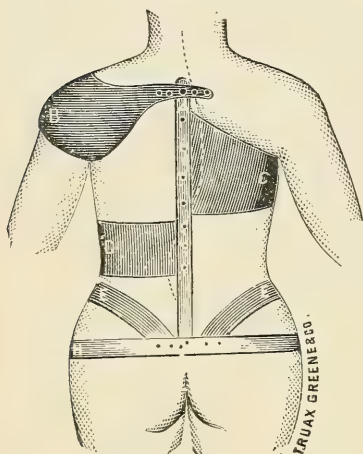


Fig. 608 B.

This brace consists of a thin steel, padded pelvic belt, *h*, to which are attached steel uprights, *a*, front and back. To these are fastened a broad chest strap, *c*, pressing against the protuberance and a waist strap, *d*, to press against the lower compensatory curvature. A shoulder strap, *b*, holds the upper ends of the uprights in place, while hip straps, *e e*, help to make a firm pelvic foundation for the appliance.

Directions for measurements same as for Fig. 604.

Fig. 609. ANDREWS' PORTABLE CORRECTIVE COUCH FOR LATERAL CURVATURE.

Price to patients.....\$15 00 to \$20 00

This couch is made of a padded board foundation, *c*, and can be laid upon any bed. The patient lies on his back with the shoulder placed against the padded rest, *s*, and the hip resting against the rest, *h*. Attached to the posts, *p p*, are wide bands to draw upon the convexities of the curves.

In ordering give name, age and weight of patient; state whether convexity is to right or left, and send tracing of patient while lying on the back from shoulders to hips.

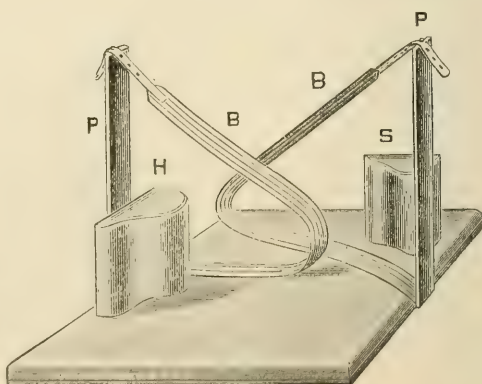


Fig. 609.



DEFORMITY APPARATUS.

Fig. 610. SAYRE'S JURY MAST.

Price to patients, without plaster jacket.....\$12 00
See special instructions on bottom of page 551.

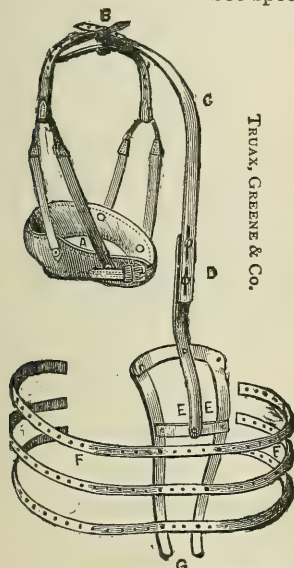


Fig. 610. Sayre's Jury Mast.

This consists of two pieces of malleable iron, bent to fit the curve of the back. To the lower portion are attached three or more roughened tin strips, long enough to go nearly around the body. From two cross pieces of the upper extremity springs a central shaft, carried in a curve over the head and capable of being elongated at will. To this is attached at its upper extremity a swivel cross bar with hooks, from which depend straps supporting a head and chin collar.

Application.—The patient having been encased, in the usual manner, in a few thicknesses of plaster roller, the Jury Mast Apparatus is put over this, care being taken that the iron strips are bent so as to conform to the surface of the plaster, and that the shaft over the head be kept in the

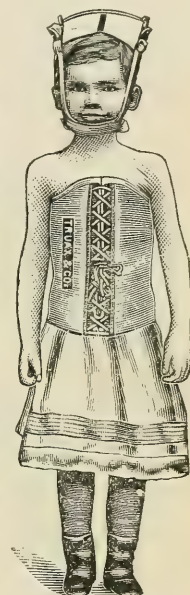


Fig. 611. Showing Sayre's Jury Mast applied to leatherspinal jacket.

DIRECTIONS FOR MEASUREMENTS.

See diagram on page 552.

1. Bend a flexible strip of lead to the contour of the back, commencing at the top of the head, and carefully carry it along to the sacrum; carefully remove and trace on paper, marking the position of the scapulæ, iliac crests and disease. 2. Give circumference top of head, around chin. 3. Circumference around cranium. 4. Circumference of pelvis, one inch below iliac crests (L).

Fig. 612. LEATHER JACKET WITH ROBERTS' JURY MAST ATTACHED.

Price to patients, with jacket.....\$35 00 to \$40 00
See special directions at bottom of page 551.

This apparatus has been successfully employed by many surgeons, and as its weight is only about one-third of that of a plaster jacket, it is particularly adapted for the use of patients who are physically unable to carry the heavy weight necessitated by a plaster jacket. In ordering, an accurate mould of the trunk should be taken by applying a plaster jacket in the usual way, except the jacket must be removed by cutting it open in front before it is entirely "set." This mold should be forwarded to us by express, carefully boxed. From this model we form a cast of the body, over which we form a leather jacket, so accurate that even the intercostal and intermuscular spaces are clearly shown in the leather. We provide them with lacing



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hooks in front, so that if desirable, the apparatus may be removed at night or for bathing. Sayre's Jury Mast may be attached to them instead, the same as to a plaster jacket. These braces will stand almost any amount of ill usage without sustaining any damage.

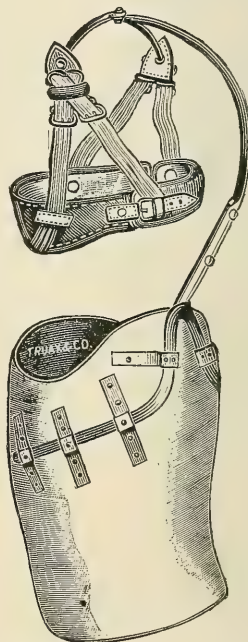
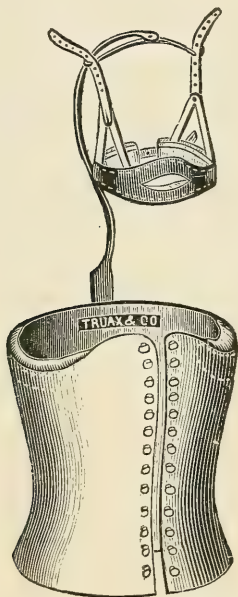


Fig. 612. Leather Jacket with Sayre's Jury Mast attached. Fig. 613. Roberts' Jury Mast.

DIRECTIONS FOR MEASUREMENTS.

Same as Figs. 594 and 610.

Fig. 613. ROBERTS' JURY MAST.

Price to patients (without plaster jacket).....\$12 00

See special instructions at bottom of page 551.

This Jury Mast differs mainly from Sayre's in that the arms, which are incorporated between the layers of the jacket, are curved forward under the axillæ—as shown by Fig. 613. This disposition of the truncal shafts secures for the instrument, when sustaining the weight of the head and neck, a state of stable equilibrium, the center of gravity of the whole falling within the base, and being located inferiorly to the lowest points of the shafts. Undue pressure against the spine is impossible and the head is sustained without mechanical strain.

Another point gained in the modified form of the instrument is that of securing the maximum amount of strength with the minimum weight of metal. This is accomplished by making the cephalic shaft of a light strip of steel bent upon its edge, instead of flat-wise, and widest at the point of greatest curvature.

MEASUREMENTS REQUIRED.

Same as for Figs. 594 and 610. See diagram on page 552.

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DEFORMITY APPARATUS.



Fig. 615. Sayre's Suspension Apparatus.

Fig. 615. SAYRE'S SUSPENSION APPARATUS.

Used while applying Plaster of Paris Jackets.

Price to patients, with plain pulleys.....\$ 8 00
Plain tripod..... 10 00
Seamless shirts.....net, \$2 00 to 3 00

See special instructions at bottom of page 551.

Consists of a curved iron cross-beam, to which is attached an adjustable head and chin collar, with straps fitted to axillary bands. To a ring in the center is hooked a compound pulley, the other end of which is attached to a hook screwed into the ceiling. An iron tripod may be used for the same purpose.

MEASUREMENTS REQUIRED.

1. Sex of patient. 2. Weight. 3. Height. 4. Circumference of head around the chin and back of neck. In taking this measurement care should be exercised that the tape encircles these parts in an even horizontal line.

Fig. 616. DR. L. A. SAYRE'S GYMNASTIC APPARATUS.

FOR THE EXERCISING OF PATIENTS SUFFERING FROM POTTS' DISEASE AND LATERAL CURVATURE OF SPINE.

A further use of Dr. Sayre's mode of extension is shown by Fig. 616, for the purpose of having the patient pull himself up by means of a rope and compound pulleys; the former having egg-shaped blocks, secured by the rope being tied into a knot under each and at regular intervals. These blocks enable the patient to draw himself up with ease. A padded chin-piece only, looped into an iron rod, completes the apparatus. No other person should pull the ropes in this exercise, and the patient should always hold both hands elevated, one nearly opposite the forehead, and the other above. This contrivance can be placed in any part of the house.

Price.....\$ 9 00
Plain tripod with suspension apparatus,
price..... 18 00
Disjointed tripod, with suspension apparatus, put up in a canvas pouch, price, 22 00

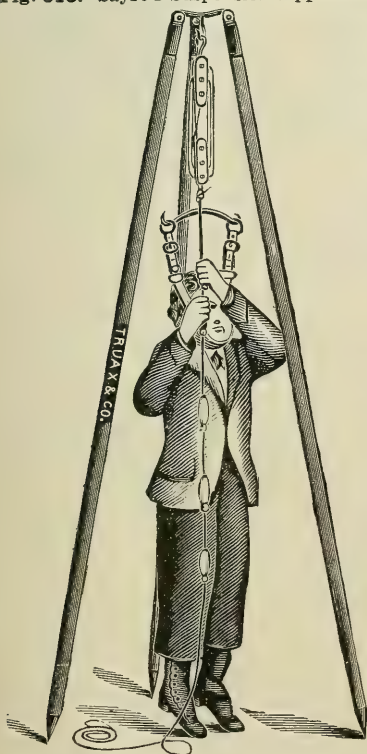


Fig. 616. Sayre's Suspension Apparatus, with Tripod.



DEFORMITY APPARATUS.

Fig. 618. ROBERTS' SWINGING CRANE FOR ELASTIC SUSPENSION.

Price to patients, complete, without jacket.....\$27 00

See special instructions at bottom of page 551.

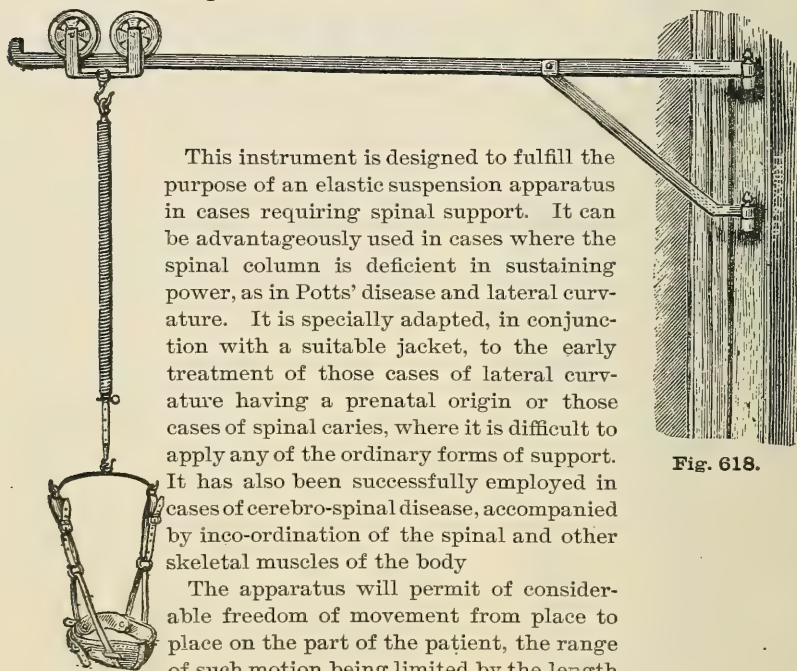


Fig. 618.

This instrument is designed to fulfill the purpose of an elastic suspension apparatus in cases requiring spinal support. It can be advantageously used in cases where the spinal column is deficient in sustaining power, as in Potts' disease and lateral curvature. It is specially adapted, in conjunction with a suitable jacket, to the early treatment of those cases of lateral curvature having a prenatal origin or those cases of spinal caries, where it is difficult to apply any of the ordinary forms of support. It has also been successfully employed in cases of cerebro-spinal disease, accompanied by inco-ordination of the spinal and other skeletal muscles of the body.

The apparatus will permit of considerable freedom of movement from place to place on the part of the patient, the range of such motion being limited by the length of the crane.

The device for the suspension of the patient is connected with a car which readily moves back and forth upon the metallic arm. A long spiral spring constitutes the elastic medium: within the coil of the spiral is placed a flat bar perforated through its entire extent with holes, for the purpose of adjustment to the height of the patient, the bar being secured at any desired height by means of a pin passing through holes in the opposite side of a short section of tubing, brazed to the lower end of the spring. To the lower end of this sliding bar is attached a cross piece. From each extremity of this cross piece are attached leathern straps, connecting with a well padded occipito-mental encasement of such dimensions as to accurately fit the patient's head.

By means of butts the crane can be readily secured to a principal in the wall or to the casing of a convenient door or window.

MEASUREMENTS REQUIRED.

As per diagram on page 552.

1. Weight of patient.
2. Circumference of head around the chin and back of the neck. In taking this measure care should be exercised that the tape measure encircles these parts in a horizontal line.

FOR THE SUSPENSION JACKET.

3. Circumference of body under axillæ.
4. Circumference of body at waist.
5. Circumference of body between the crest of ilium and trochanter major.
6. Length from crest of ilium to axilla.



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Fig. 620. IMPROVED WHEEL CRUTCH.



Fig. 620.

Improved Wheel Crutch.

things; altogether this apparatus offers many advantages and will prove useful in many cases of paralysis.

MEASUREMENTS REQUIRED.

As per diagram on page 552.

1. Width of the body in *direct* line from arm-pit to arm-pit (8 to 8).
2. Distance from arm-pit to floor (8 to 1).
3. Circumference of waist over underclothing when support is needed (X).
4. (To measure width of body correctly, place a ruler under each arm close to the body, projecting in front, *parallel*, and take distance between, not following curve of breast).

See special instructions at bottom of page 551.

Sizes from	Price.	Diameter of Wheel.
16 to 25 inches.....	\$50 00	4 inches.
25 to 35 inches.....	60 00	6 inches.
35 to 45 inches.....	70 00	8 inches.
45 to 55 inches.....	85 00	10 inches.
Price of supporters, to patients, range from.....	\$5 00 to \$15 00	
Sunshades and fixtures from.....	6 00 to 12 00	
Toy Trays.....	2 50	



DEFORMITY APPARATUS.

Fig. 620 A. SAYRE'S CUIRASS.

Price to patients, according to size:..... \$25 00 to \$45 00
Jury Mast extra.



Fig. 620 A.

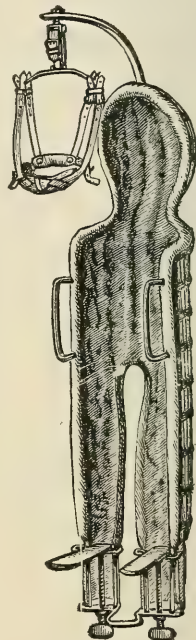


Fig. 620 B.

Sayre's Cuirass is an apparatus which will secure absolute rest and a proper position for a length of time. It consists of a strong wire netting, well padded inside. The patient is firmly bandaged to it with the anus opposite the opening. Bandages are carried through the perineum, and extension made by screws at the foot. After operations on the hip joint this apparatus will be found very valuable as a means of fixation, and the patient may be carried about or taken out of doors with perfect safety. In some cases a jury mast attachment will be found of value. This cuirass is also used by Dr. Sayre in treating Potts' disease.

DIRECTIONS FOR MEASUREMENTS.

1. Name, age, height and weight of patient.
2. Length from sole to axilla.
3. Length from sole to perineum.
4. Circumference of calf.
5. Circumference of thigh.
6. Circumference of pelvis at iliac crests.
7. Circumference of waist.
8. Circumference of chest under axillæ.
9. Length from top of skull to vertebra prominens.
10. Length from vertebra prominens to perineum.
11. Circumference of head.



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Fig. 620 C. RIDLON'S TRACTION HIP SPLINT.

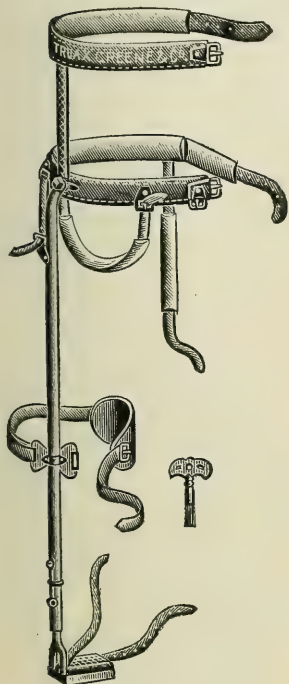


Fig. 620 C.

The basis of this splint is the original pattern of the Taylor long traction splint, to which has been added a thoracic piece made fast by a fixation bolt. The chest-piece adds effectiveness to the traction and prevents the patient from assuming the sitting posture.

The ordinary traction hip splint fails in certain cases to reduce the flexion of the thigh on the pelvis when the patient refuses to remain continuously recumbent.

The splint consists of a steel chest-band, to which is riveted at right angles a steel bar six to eight inches long, pierced with a round hole for the bolt. Buckles are attached to the steel portion of the band for perineal straps. An extra buckle is put on at the back for a hold-back strap, in case the splint is to be used during convalescence. The bolt is strong, and one-half inch in diameter, with a rounded and a square portion. The nut is hexagonal, so that it may be set with an ordinary wrench. The leg portion consists of a solid steel head-piece at the top, a tubular sheath into which plays a notched bar, which is forged flat at the bottom and at a right angle to its main length to take the splint-shoe. The ordinary ratchet bar with lock and key is used for giving extension. Opposite the knee a flat guard is clamped by screws, and through either end of this the knee cap buckles. The splint shoe should be of leather, and may be slipped on and held by the strap which runs to the plaster buckles, or it may be screwed on. If the splint is to be used during convalescence, a buckle must be attached to the outer surface of the lower end of the head-piece for the hold-back strap. The hold-back strap, when used, is of the strongest inelastic webbing. Traction is ob-

tained by adhesive plasters applied to the leg in the usual way. If the splint is applied to a limb in which flexion is present, the bolt must be loosened and the chest-piece and leg-piece set at such angle to the hip-band as may be found necessary for an accurate fit. As the muscular spasm relaxes and the deformity yields, the angles are changed, until, ultimately, the side-bar of the chest-piece and the leg-piece form a straight line. The hip-band is always somewhat tilted, never forming a right angle in its antero-posterior plane with the vertical axis of the leg portion. When convalescence has so far advanced that muscular spasm no longer tends to produce flexion, the chest-piece can be removed and the splint used as an ordinary long traction splint. A fast joint can still be maintained between the hip-band and the leg-piece, as in the Judson brace, free motion can be allowed, as in the Sayre brace, or a limited degree of motion may be had by the use of the inelastic hold-back strap and a free joint at the bolt.

The advantages of the splint are that it can be applied to a limb, no matter how great be the degree of deformity; it can be used as a bed-splint or a walking splint, and it can be used to completely or partially immobilize, or to give traction without any considerable restriction to motion.

Price to Patients \$35.00 to \$50.00, according to size.
See special instructions at the bottom of Page 551.

MEASUREMENTS REQUIRED.

1. Length, crest of ilium to axilla.
 2. Circumference of chest under axillæ.
- Other measurements same as Fig. 630.

HAS TRUAX & GREENE CO.

DEFORMITY APPARATUS.

Fig. 620 D. THOMAS' HIP SPLINT.

Prices to patients.....	\$10 00
With detachable nurse.....	12 00
With adduction wing.....	11 00
Net price of wrenches, per pair.....	12 00

AS USED BY DR. RIDLON.

This splint is designed to immobilize the hip joint by an antero-posterior leverage action. It consists of a main-stem which passes from the lower angle of the scapulae down the back posterior to the hip joint, and down the back of the thigh and leg to the middle of the calf or somewhere below that point. A band nearly encircles the chest below the arms, and bands also encircle the thigh and leg. The body portion and the leg portion of the main stem are straight and follow parallel lines. The distance that these lines are separate depends upon the size and fatness of the patient. When it is desired to prevent an unruly patient from getting up and walking, an extra piece called a "nurse" (Fig. 620 E) is screwed or bolted to the lower end of the main stem, but so as to pass free of the heel and long enough to extend twelve or fifteen inches below the foot. The splint is applied by opening out the circumferential bands and slipping it under the patient from the affected side as he lies on his back. The bands are then bent to fit accurately around the chest, thigh and leg, those on the inner side of the thigh and leg and that of the chest towards the unaffected side being drawn closer than the 620 E.

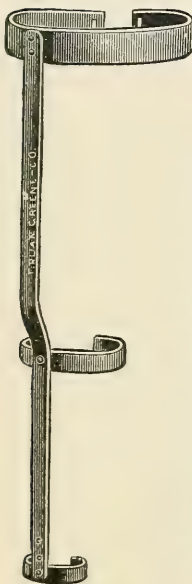
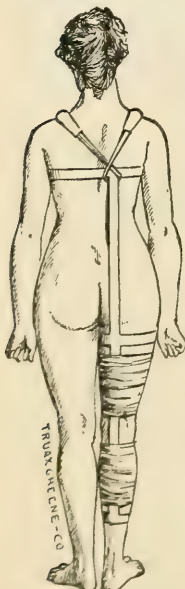


Fig. 620 D.



620 F.

opposite bands to prevent the splint from shifting around to the side. This can usually be satisfactorily done with the hands, or a couple of monkey-wrenches may be used, but in large patients and those with exquisitely tender joints it will be necessary to use a wrench to properly adjust the bands.

The triple-action ratchet wrenches are sold in pairs. (Fig. 620 G.)

With one wrench the splint is held and with the other it is bent. By turning the nut at the end of the handle the fork may be locked so that there is motion only to the right, or only to the left, or in neither direction. Aided by these wrenches the splint can be applied to the patient as he lies in bed without lifting or moving him in any way. The entire splint is padded and covered with leather. An extra wing, or half body-band is used for overcoming adduction or abduction

MEASUREMENTS REQUIRED.

1. Name, age and weight of patient.
2. Length from axilla to middle of calf.
3. Circumference of chest.
4. Circumference of upper thigh.
5. Circumference of middle calf.

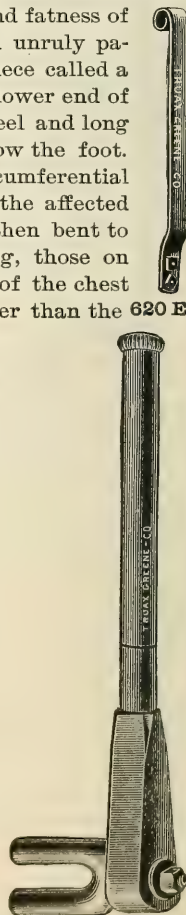


Fig. 620 G.

DEFORMITY APPARATUS.

Fig. 621. CHAS. F. STILLMAN'S HIP BRACE.

Price to patients\$45 00

See special instructions on page 551.

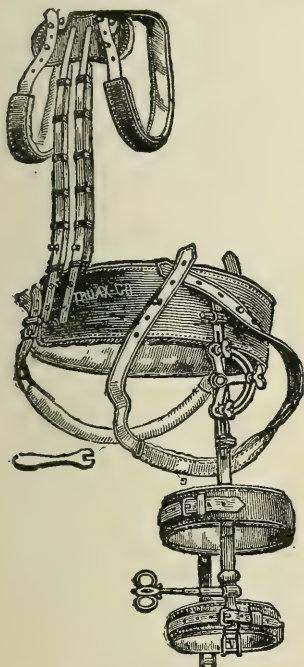


Fig. 621. Chas. F. Stillman's Hip Brace.

This consists of a hip brace provided, *1st*, with a back frame; *2d*, with sector at the hip; *3d*, with a clamp above the sector for fixing the angles of abduction and adduction, and one below for fixing the angle of rotation. These are changed by the wrench shown in the illustration. The sector is operated by thumbscrews, and is provided with a removable clamp by which motion in the hip may be limited to any given arc. Two pieces of moleskin plaster with webbings attached are placed on the thigh, as in applying Sayre's brace.

To apply the brace, the clamps and straps are all loosened and the extension ratchets shortened as much as possible. The pelvic band is then fastened around the pelvis and the two perineal bands buckled tightly in place. The shoulder straps and abdominal band are then buckled, so as to secure the back frame tightly

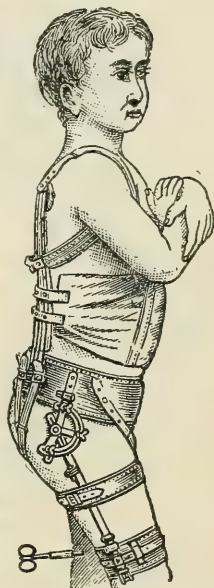


Fig. 622. Stillman's Hip Brace Applied.

against the back. The thigh is next to be attached, the webbing tabs are to be passed over the rollers at the end of the brace and buckled tightly, the girths around the thigh having been previously buckled.

Traction may now be exerted, either under chloroform, which is better, or gradually by the hand until the limb is in the position desired, when the clamps are tightened, thus fastening the thigh on the pelvis. Extension is now to be exerted by the key. The addition of the high-heeled shoe on the sound limb, and a pair of crutches completes the outfit.

DIRECTIONS FOR MEASUREMENTS.

As per diagram on page 552.

1. Circumference of chest at axillæ (U).
2. " " pelvis at trochanter major (K).
3. " " thigh at upper third (H).
4. " " " lower third (G).
5. Distance from sacro lumbar articulation to vertebra prominens (4 to 13).
6. " " trochanter major to knee joint (K to F).



DEFORMITY APPARATUS.

Fig. 623. CHAS. F. STILLMAN'S SECTOR SPLINT.

Manufactured in three sizes.

Price to patients.....\$15 00

See special instructions at bottom of page 551.

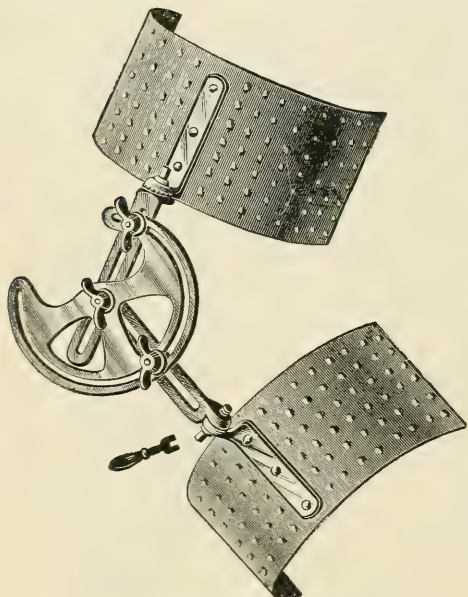


Fig. 623. Chas. F. Stillman's Sector Splint.

"The sector may be inserted into any form of brace attachment known. But when it is desired that the splint should remain upon the limb for any length of time, or, as in acute inflammation of joints, where it is used to reduce the contractile antagonism of the muscles, I prefer to use it in the form of a bracket, which is to be attached to the affected part by some immovable dressing which will be sufficiently inflexible to prevent unequal pressure on the soft part.

"The sector-bracket consists of two terminal plates of thin copper, perforated upon the upper side, connected with each other by a bridge raised to any desired distance from the surface. This bridge consists of two over-riding slotted steel strips, and is connected by three clamps, which may be either thumb-screws or key-clamps.

"This splint is capable of the following combinations without removal from the limb: 1. Extension at any angle with motion. 2. Extension at any angle with fixation. 3. Fixation at any angle. 4. Motion, complete or limited, constant or occasional. 5. Exposure of surface above the joint, admitting compression, applications and easy inspection."

CHAS. F. STILLMAN, M. D.

In ordering, state whether for infant, child or adult.

Fig. 627. SAYRE'S ORIGINAL SHORT SPLINT FOR THE TREATMENT OF HIP-JOINT DISEASE.

Price to patients: Small size, \$15.00; medium, \$16.00; large, \$18.00.

See special instructions at bottom of page 551.

This apparatus consists of two portions, the upper, made of corrugated steel, attached by means of a universal joint to a pad of proper size (*d*) fitting on the dorsum below the crest of the ilium, and holding in place a perineal band (*e*) adjustable by strong webbing and buckles (*b b*).

The lower portion is simply a ratchet bar, sliding within the first. Its inferior extremity is easily adjusted by means of a single screw to either side of the two semi-circular bands (*a a*), embracing the thigh just above the knee, making the apparatus answer for either limb, the cut representing the same arranged for the left leg.

Extension is made by working the splint with key (*f*).

DIRECTIONS FOR MEASUREMENTS.

As per diagram on page 552.

1. Length from trochanter major to knee joint (K to F).
2. Circumference of thigh above knee (G).

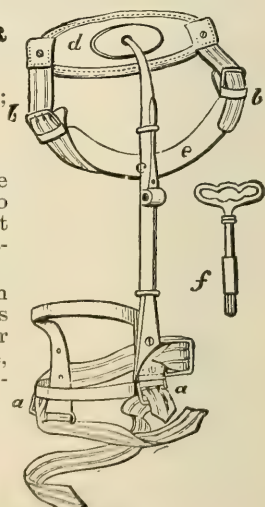


Fig. 627. Sayre's Original Short Hip Splint.



DEFORMITY APPARATUS.

The application of the splint is as simple as its construction. Take strong adhesive plaster, spread on twilled muslin, cut two fan-shaped pieces (Fig. 628), one large enough to reach from the perineum to within two or three inches of the condyle of the femur, on the inner side of the thigh, the other from the trochanter major to a point directly opposite the end of the inner plaster. Sew on the narrow end of each (Fig. 628) *a*, one of the webbings, represented in Fig. 627 *aa* (not on the sticky side). Apply to their respective places, and after pressing them with the warm hand, to obtain a firm adhesion, secure them further by a well-adjusted roller. The instrument contracted, is now laid over the thigh, the webbing (Fig. 628) *a*, firmly fastened over the rollers to the buckles (Fig. 627) *aa*, and the remaining one around the thigh. The perineal band is now adjusted, rather firm, and the instrument extended with the key just enough to make the patient comfortable, and then locked by pulling the slide down over the spring (Fig. 627) *c*.

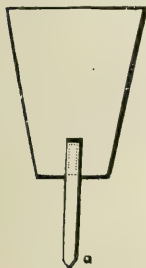


Fig. 628.

In order to prevent the limb from swelling below the bandage, Dr. Sayre recommends the use of an elastic stocking or knee-cap.

Fig. 629. SAYRE'S IMPROVED SHORT SPLINT.

Price to patients.....\$17 00 to \$20 00

See special instructions at bottom of page 551.

This consists of a pelvic band, passing partly around the body under the crest of the ilium, well padded on its inner surface, to which usually two perineal straps are fastened for counter extension; its outer surface holds a ball-and-socket joint, from which runs a steel bar or rod down the outer side of the thigh to within about two inches of the lower end of the femur. This outer bar is divided into two sections, one running within the other, and gauged or controlled by a ratchet and key, which can make it longer or shorter. At the lower extremity of this outer bar is a projecting branch going over to the inner surface of the thigh to receive the attachments of the plaster, as in the original splint (Fig. 627). Both of the lower extremities terminate in cylindrical rollers, over which the tags of the plasters are attached to the two buckles placed at the lower ends of the instrument.

DIRECTIONS FOR MEASUREMENTS.

As per diagram on page 552.

1. Circumference of body between crest of ilium and trochanter major (L).
2. Distance from same to center of knee joint (L to F).
3. Circumference of thigh two inches above knee joint (G).
4. Circumference of middle of thigh (H).
5. State if for right or left hip.

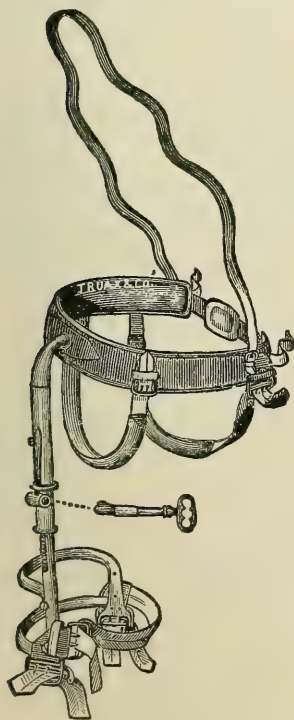


Fig. 629.

Sayre's Improved Short Splint.

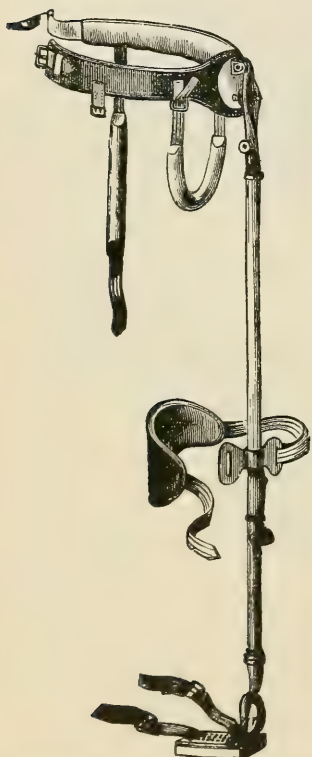


DEFORMITY APPARATUS.

Fig. 630. SAYRE'S LONG SPLINT FOR HIP-JOINT DISEASE.

Price to patients according to size and finish.....\$25 00 to \$45 00

See instructions at bottom of page 551.



This splint extends from the sole of the foot to the crest of the ilium, at which point it is connected to a pelvic band by means of a joint allowing flexion and extension, abduction and adduction; which latter motion is regulated by means of a thumb-screw. Extension is made by means of a rack and pinion rod, sliding within a steel tube, moved by a key, and kept in position by a spring catching the teeth of the rack. Counter extension is made by means of two perineal pads fastened to the pelvic band with straps and buckles. At the knee-joint is a movable cross-piece for attaching a leather cap to steady and support the knee. At the bottom of the instrument is a foot-piece with a leather sole attached, to prevent jar in walking. A leather strap, passing under the foot, through apertures in the foot-piece, turns up an end on each side of the ankle, and fastens to buckles in adhesive strips.

APPLICATION OF THE SPLINT.

Take two strips of strong moleskin adhesive plaster from two to four inches in width, according to the size of the patient and the entire length of the limb, divide the upper extremity of the plaster into strips, two or three inches long, and sew strong webbing with buckles attached on below. These plasters are then applied on either side of the leg in such a manner as to leave the buckles a little above the ankle-joint, and are secured by a snugly adjusted roller, so applied as to leave the tags with the buckles hanging loose, the roller being carried up over the knee, and as far up the thigh as can be done with convenience. The upper split-ends of the plasters are reversed and braided in with the roller as it turns down the thigh, securing it smoothly. The stocking is then pulled up on the foot, holes having been cut on either side for

Fig. 630. Sayre's Long Hip Splint.

the buckles to pass through, and the shoe applied, with holes cut through in the same manner. The instrument is now placed on the outer side of the leg, and the cross-bar at the bottom brought in front of the heel of the shoe, and securely buckled to the tags above described. The pelvic band is next brought around the hips, and secured by a buckle upon the opposite side, and the perineal straps attached as firmly as need be. The knee-pad band is then slipped up or down, until it is made to rest opposite the knee, when it is passed around and buckled fast. Extension is now made by the key upon the ratchet until full compression is borne without pain. The abducting screw may then be used, and daily increased.

DIRECTIONS FOR MEASUREMENTS.

As per diagram on page 552.

1. Name of patient. 2. Age of patient. 3. Weight of patient. 4. Right or left leg. 5. Length from sole to crest of ilium (1 to 9). 6. Circumference of pelvis at iliac crests (9). Shoes should be furnished by patient. See page 552.



DEFORMITY APPARATUS.

Fig. 631. SAYRE'S IMPROVED LONG SPLINT WITH SOCKET FOR ATTACHMENT OF SHOE.

Price to patients (without shoe), according to size and finish. \$30 00 to \$50 00
See special instructions at bottom of page 551.

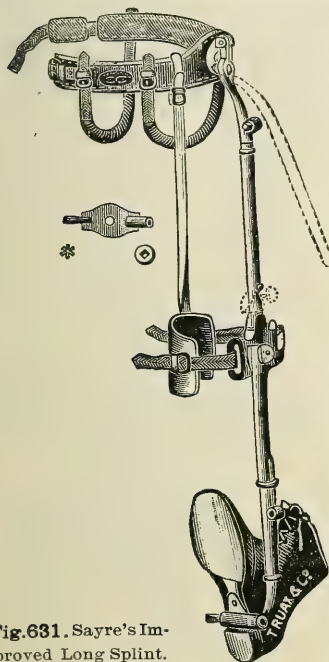


Fig. 631. Sayre's Improved Long Splint.

"The improvements over Sayre's original long splint consist in attaching the long rod to a round revolving plate, which is fastened to the pelvic band; when this plate is moved upon its axis, the long rod moves forward and backward. At the top of this plate another joint permits the rod to move from and towards the other leg. A screw turns in and out of the revolving plate, so that when the key is applied and the screw turned abduction is made. The long rod is divided into two parts; the lower holds an endless screw transversely, which is worked by a key, and rotation thus produced.

"As a matter of comfort to patients, these long splints are also used with joints at the knee, in slight cases of disease, or when convalescence has definitely set in. These joints are sometimes made with coiled springs at the knee, by which, when the leg is bent backward and the power relaxed, it will spring forward involuntarily.

"The limb is prepared for the long splint in the following manner: Cut two strips of strong moleskin adhesive plaster from two to four inches wide, according to the size of the limb, and long enough to reach its entire length, and divide the upper extremity of the plaster into narrow strips for a distance of two or three inches. Pieces of strong webbing, one or two inches in length, with buckles attached, are sewed to the lower extremities of the plasters. These plasters are then placed on either side of the leg in such manner as to leave the buckles a little above the ankle-joint, and then so secured with a snugly adjusted roller as to leave the tabs with the buckles attached hanging loose. The roller is then carried up over the knee and as far up the thigh as can be done with convenience, when the upper split ends of the strips of plaster are reversed and braided in with the roller as it returns down the thigh, securing it smoothly. The stocking is then pulled up on the foot, holes having been cut on either side for the buckles to pass through, and the shoe applied with holes cut through it in the same way.

"The limb now being prepared, the instrument is placed on its outer side, and the cross-bar at the bottom brought in front of the heel of the shoe and securely buckled to the tabs above described. The pelvic belt is next brought around the hips and secured by the buckle upon the opposite side, and the perineal bands are next attached as firmly as may be. The knee-pad band is then slipped up or down until it is made to rest opposite the knee, when it is passed around the leg and buckled. Extension is now made with the key upon the ratchet until free compression is borne without pain and the patient can walk without cane or crutch. If the limb is adducted the abducting screw can be used, daily increasing the tension, for the purpose of abducting the limb." Measurements same as for Fig. 648.

HAS TRUAX GREENE & CO.

DEFORMITY APPARATUS.

Fig. 631 A. SHAFFER'S HIP SPLINT.

Price to patients\$30 00 to \$35 00

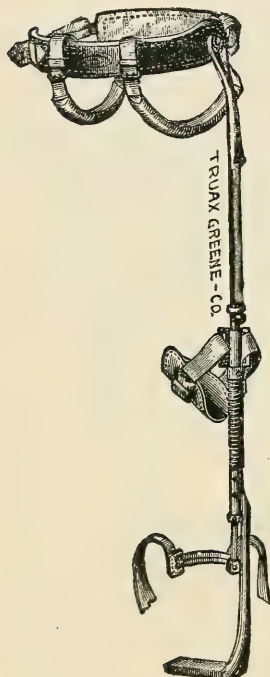


Fig. 631 A.

In this instrument the usual cylinder and pelvic band are employed. But, instead of continuing the extension rod to and below the foot, it is made to terminate at a point about one and one-half inches above the malleoli, and a band is attached which passes half way around the limb, posteriorly. To this band are riveted two straps, which are attached to the adhesive plaster buckles. The foot piece has an independent rod, which passes upward to a piston arrangement above the point of exit of the extension rod. When applied, the weight of the body is thrown upon the perineal pads, and the instrument shortens, by a compression of the spiral spring. In other words, the lower part moves upward and the weight of the body is expended in shortening the spring—the straps remaining taut all the while. The same degree of extension is upon the diseased hip joint, whether the patient lies down or walks. Traction is constantly maintained, and the joint surfaces are not alternately protected and then exposed at every step.

Measures required same as Fig. 648.

TAYLOR'S LONG HIP SPLINT.

Price to patients,
\$25.00 to \$40.00.

This splint is similar to Sayre's, except that with this (Taylor's) rotation can-

not be produced. With it can be accomplished the overcoming of contracted muscles by extension and counter extension. The splint is applied in the line of deformity, and, with weight and pulley fastened to the lower end of the splint, the traction is made. The patient, however, is placed on an inclined plane, with conveniences for adapting the angle to the amount of relaxation gained. The force exerted is the extending power of the splint, plus that of the weight, and varies according to the amount required to bring about relaxation—usually from ten to seventy pounds. The recumbent posture is maintained from one to four or five weeks. In addition to the improvement in posture gained, this preliminary treatment relieves nervous depression, gives time for the patient to accommodate himself to the novel situation, and saves the amount of his weight from the perineal straps, and by that amount increases extension and hastens the effects of treatment. Measurements same as Fig. 648.

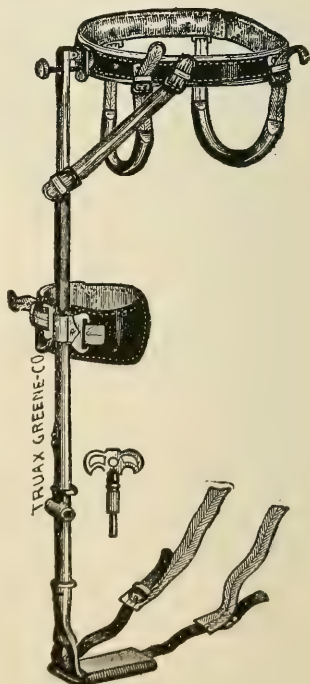


Fig. 632.



DEFORMITY APPARATUS.

Fig. 633 A. DR. A. M. PHELPS'S FIXATION SPLINT.

The object of this splint is to overcome by extension the muscular spasm, and at the same time secure absolute immobility of every joint until all inflammatory action has subsided and a cure has been effected. Dr. Phelps claims that a combination of these principles should be the law. The long traction splint, he claims, which admits of motion does not immobilize, and the patient produces injury of the joint every time he steps upon it. The splint should extend to the axilla. The diseased limb should be held in the deformed position during its application, that the body and healthy limb may be in a normal position. This hip splint has been devised for the purpose of perfectly immobilizing the hip-joint by preventing all normal motion and applying extension in the line of the neck of the femur. It should only be applied after all deformity has been overcome, either by prolonged extension

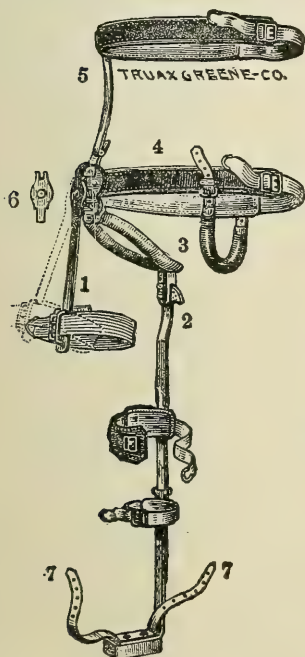


Fig. 633 A.

MEASUREMENTS.

1. Name, age and weight of patient.
2. Mention if for the right or left hip.
3. Circumference of chest (U).
4. Circumference of pelvis (L).
5. Circumference of thigh (I).
6. Circumference of thigh at middle.
7. Circumference of knee joint.
8. Circumference of calf.
9. Distance from axilla to crest of ilium.
10. Distance from trochanter major to middle of thigh.
11. Distance from perineum to knee joint.
12. Distance from perineum to sole of foot.

See diagram on page 552.

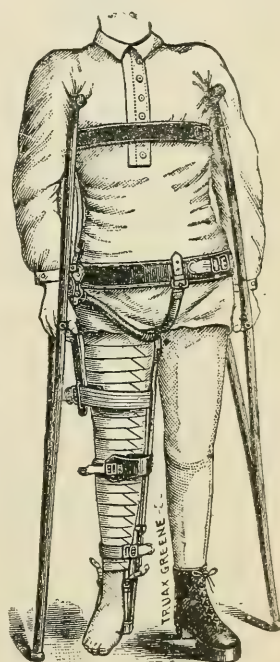


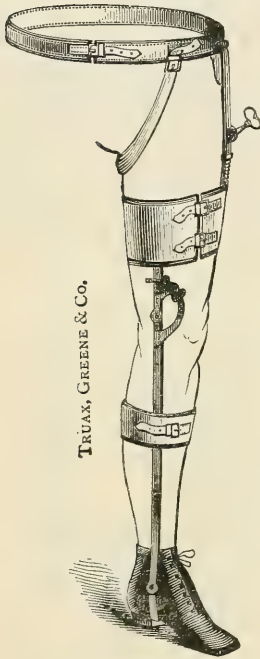
Fig. 633 B.

in bed or operative procedures. The patient is not allowed to walk upon the hip-crutch until the active stage of the disease has passed. The splint has the abduction bar for making lateral extension, and a firm perineal ring instead of the strap as used in the ordinary long traction splint, which is found more comfortable to the patient to wear. In Fig. 633 A the abduction bar 1 is adjustable by means of the key 6, for the purpose of making lateral extension. The steel bar, 2, is adjusted to the steel ring, 3, which makes a firm crutch, the pressure coming on the tuberosity of the ischium. Adhesive straps, extending to near the body from the ankle, furnish means of extension by tightly buckling them to straps, 7, 7, the ring, 3, furnishing the counter extension. The rod, 5, connecting the pelvis and chest belts, prevents flexion and extension of the legs. The whole splint is intended to prevent every motion at the hip-joint, and at the same time apply extension in a line with the neck of the bone. Fig. 633 B shows the splint adjusted to the patient.

HAS **TRUAX** **GREENE** & Co.

DEFORMITY APPARATUS.

Fig. 634. HUTCHINSON'S HIP-JOINT APPARATUS.



TRUAX, GREENE & Co.

Price of apparatus (without shoes) to patients, small size, \$25; large size, \$35; finely finished, small size, \$30; finely finished, large size, \$40.

This apparatus is portable, and needs no adhesive strips. Two rods of steel extend from the foot to the upper third of the thigh and are secured to the leg with calf and thigh bands. The outside rod, longer than the other one, is ratcheted, and slides in a steel tube which is hinged by a ball and socket joint to a pelvic band. Extension is made by working the splint with a key. The splint is provided with joints for the ankle and knee; the latter one is adjustable to any degree of flexion and extension, and may be fixed at any point, or its motion limited by an arrangement of a screw and two nuts.

MEASUREMENTS REQUIRED.

Same as for Fig. 648.

Fig. 634. Hutchinson's Hip-Joint Apparatus.

Fig. 635. DR. DUNCAN EVE'S (NASHVILLE, TENN.,) LEG EXTENSION BRACE, WITH ROTATING JOINT UNDER THE KNEE.

Price to patients, without shoe.....\$50 00 to \$60 00

See special instructions at bottom of page 551.

This apparatus is portable, and, being fastened to a shoe, needs no adhesive strips. The splint is provided with joints for the ankle. Rods of steel extend from the foot on each side of the leg, and are reflected back of the knee-joint, connecting by means of a joint to other rods running up the internal and external aspect of the thigh; these are secured to the limb with calf and thigh bands. The outside rod is hinged by a ball and socket joint to a pelvic band. To this pelvic band are attached two perineal straps for counter extension. Extension is made by means of a rack and pinion moved by a key. A knee-cap, adjusted to buttons on the lateral shafts, exerts pressure on the patella. An elastic strap, buttoned on the semi-circular steel bands covering the thigh and calf bands, controls the degree of extension of the leg.

DIRECTIONS FOR MEASUREMENTS.

Same as for Fig. 648.

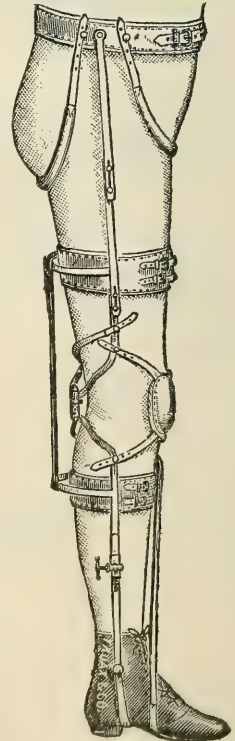


Fig. 635. Dr. Duncan Eve's Leg Extension Brace.

DEFORMITY APPARATUS.

Fig. 637. WASHBURN'S HIP SPLINT.

Price to patients.....\$7 00

See special instructions at bottom of page 551.

Washburn's splint is a simple, straight bar of steel, jointed to a pelvic band. It is intended for poor patients, and has neither racks, pinions nor screws. Extension is made, after fastening the lower end with adhesive strips, simply by the degree of tensity to which the perineal straps are adjusted. A knee-cap assists in keeping the splint in place.

DIRECTIONS FOR MEASUREMENTS.

As per diagram on page 552.

1. Length from ankle to dorsum ili (1 to 9).
2. Circumference of pelvis (L).
3. Right or left leg.

Fig. 637. Washburn's Hip Splint.

Fig. 638. DR. A. B. JUDSON'S HIP SPLINT.

Price to patients.....\$35 00 to \$50 00

This splint is constructed so as to extend from just below the sole of the foot to a point between the great trochanter and the iliac crest. The upright consists of two parts, the lower playing into the upper, with rack and key for altering length. A bolt locks the upright to the pelvic band at the angle at which they are adjusted by the surgeon. A knee-piece steadies the thigh antero-posteriorly, arresting motion at the hip joint. This knee-piece is easily bent to conform closely to the limb. It can be moved up or down on the upright and should be fastened just above the knee. A strong webbing strap (not shown in the figure) is buckled just above this piece to steady the thigh laterally. A leather strap encircles the leg and the upright above the ankle joint, keeping the foot near the splint in walking. A strong webbing strap passes over the pelvic band, under the upright and over the opposite shoulder for carrying the weight of the splint when the patient walks. It should be buckled just tight enough that he can feel the weight of the splint on the shoulder of the well side when he advances the affected limb in walking. The shoulder strap is to be loosened or removed at night. The perineal strap has a loop at each end, which passes over the screw, by which it is kept in place. By loosening the nut, the pelvic band may be adjusted at the desired angle with the upright, where it should be fixed by tightening the nut. The splint is shod with sole-leather. A leather strap passing under the foot through apertures in the foot-piece turns up an end on each side of the ankle and fastens to buckles on the adhesive strips, with the heel decidedly clearing the foot-piece. The length of the splint is readily altered, and the position of the pelvic band at a level between the iliac crest and the trochanter is determined by the length of the perineal strap. This splint can also be made with a complete pelvic band and two perineal straps, at the discretion of the surgeon.

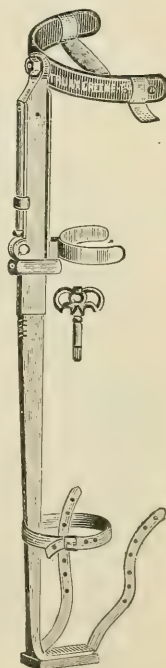


Fig. 638.
Judson's Hip Splint

Directions for measurements, same as for Fig. 648.



DEFORMITY APPARATUS.

Fig. 639. SHAFFER'S LATERAL SCREW, FOR ABDUCTING OR ADDUCTING THE THIGH IN HIP-JOINT DISEASES.

Price for single brace, to patients.....\$40 00 to \$75 00

See special instructions at bottom of page 551.

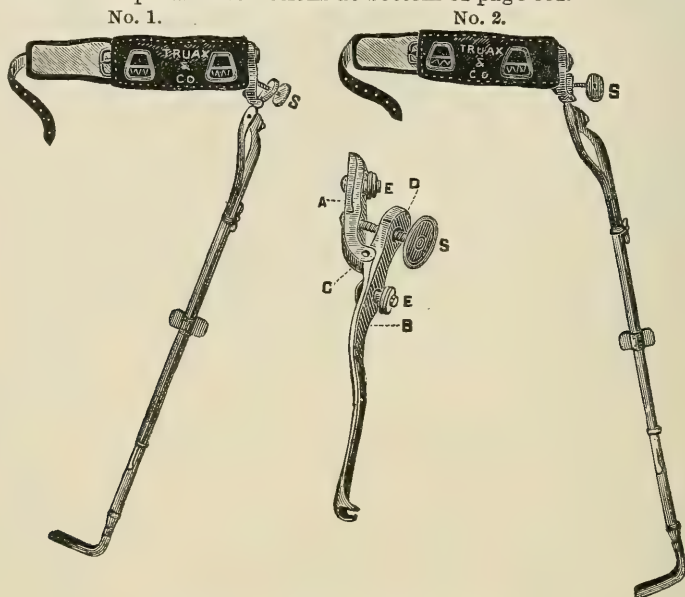


Fig. 639. Shaffer's Abduction Splint.

This consists of a "lateral screw," which allows extension in *any* direction that is indicated, and which at the same time can be made to act, without removing the splint, as an *adductor* or *abductor* of the limb, at the pleasure of the surgeon.

Nos. 1 and 2 represent the "lateral screw." 1 shows the shaft adducted—2, abducted. By simply turning the screw at S, the shaft of the splint can be made stationary at any point between the extremes indicated in the engravings. By using the screw, when the splint is adjusted, the surgeon is enabled to gradually and very gently change the position of the limb at will.

Before the splint is applied the screw should be turned as the circumstances indicate, until the direction of the shaft of the splint corresponds with the position of the limb. After adjustment, extension is applied, in the "line of the deformity," and no attempt should be made to overcome the contraction by the use of the screw, for several days. It should then be used very gently. It is better to imitate the force of gravity, by which flexion is generally so readily overcome, and only "follow up" the contractions as they are modified by the extension, immobilization and the proper therapeutical adjuvants. If the screw is used to *abduct*, the ordinary perineal pads, which form the basis of the counter extension will also be the point of resistance. When the screw is used to *adduct*, it will be necessary to supplement the *perineal* with *shoulder* straps, and to apply little more extension than is required, so that as the lateral screw is used, the extra force may be transferred to and lost upon the shoulders. Adequate extension and adduction are thus obtained. In order to secure the shoulder straps in position, they should be crossed as they pass upward from the hip band to the shoulders on both the anterior and posterior walls of the thorax. It is also necessary to secure the pelvic band, so that its anterior half will form a slightly acute angle with the shaft. This may be done with webbing straps.

DIRECTIONS FOR MEASUREMENTS.

Same as Fig. 630.



DEFORMITY APPARATUS.

Fig 641.—BAUER'S HIP-JOINT APPARATUS.

Price to patients, without shoes.....\$25 00

See special instructions at bottom of page 551.

This apparatus affords extension on a vertical line, and complete immobility of the joint. By being fastened to the shoe, it utilizes the foot for extension, the tuber ischii for counter extension, the key rack and pinion for a moving power. No adhesive straps are necessary in the adjustment of the apparatus.

DIRECTIONS FOR MEASUREMENTS.

As per diagram on page 552.

1. Patient's name.
2. Patient's age.
3. Patient's weight (estimated).
4. Right or left leg.
5. Length from the sole to the tuber ischii (sound leg) (1 to I).
6. " " " " " (diseased leg) (1 to I).
7. Circumference of calf, inches (D).
8. Circumference of thigh, inches (H).

See special instructions concerning shoes on page 552.

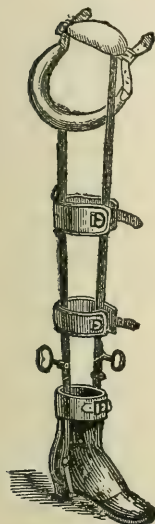


Fig. 641.
Bauer's Hip Joint
Apparatus.

Fig. 642. DR. TAYLOR'S ABDUCTION SPLINT.

Price to patients.....\$25 00 to \$35 00

This appliance is used for overcoming adduction at the hip joint and will be particularly suited to the correction of the relapsed and difficult cases occurring in the late stages of the disease. It consists of the shank and side plate of the long hip splint, ending above in properly shaped spreading bars, carrying a perineal strap adjusted to the groin opposite to the adducted thigh, as shown in the figure, which also gives the detail of the upper part, viewed from the left side. The apparatus is applied to the inside of the adducted limb, and fastened by a strap and buckles to adhesive plasters attached to the leg, as in cases of hip disease. Screwing out the apparatus by the key produces a direct and well-nigh irresistible abducting force, which is easily borne and perfectly under control. This appliance is to be worn in bed, with the leg in a sling and extra weight attached. A few days to a few weeks are sufficient to overcome the adduction, even in obstinate cases.

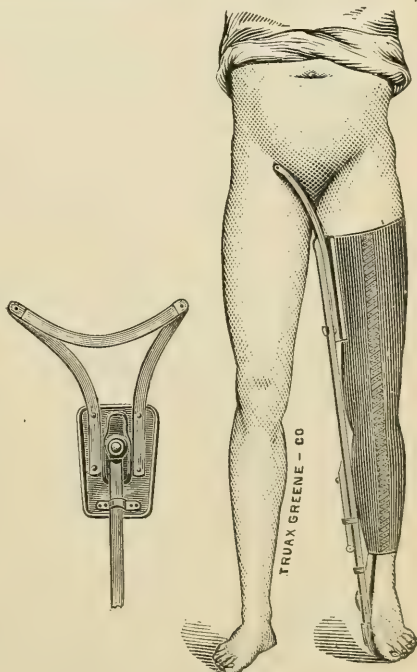


Fig. 642.



DEFORMITY APPARATUS.

Fig. 643. HAMILTON'S WIRE GAUZE HIP SPLINT.

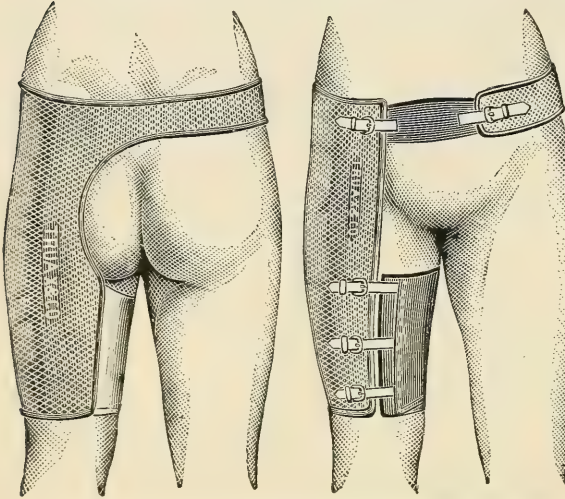


Fig. 643. Hamilton's Wire Gauze Hip-Splint—Front and Back View.

Price to patients....\$15 00

See special instructions at bottom of page 551.

This splint consists of an iron wire frame, molded to the outside or back of the pelvis and thigh, covered with wire gauze. It is kept in place by a pelvic and a broad thigh-band, and secured with buckles. Dr. Hamilton advises its use whenever it is desirable to secure *immobility* of the joint, together with exercise in the open air.

DIRECTIONS FOR MEASUREMENTS.

As per diagram on page 552.

- | | |
|---|--|
| 1. Name of patient. | 6. Circumference of pelvis at iliac crests (9). |
| 2. Age of patient. | 7. Circumference at the nates (I). |
| 3. Weight of patient (estimated). | 8. Circumference at upper part of the thigh (H). |
| 4. Right or left side. | 9. Circumference of thigh above the knee (G). |
| 5. Crest of ilium to the condyles of the femur. | |

Fig. 645. E. S. ANDREWS' (CHICAGO) SHORT SPLINT.

See special instructions at bottom of page 551.

Price to patients.....\$12 00

Andrews' splint consists of:

- Top pad, applied just below crest of ilium.
- Extension screw, sliding in tube, *c*, and extension regulated by a nut.
- Perineal band.
- Half band of steel in front of thigh.
- Adhesive straps, fastened to lower end of instrument, both sides of the thigh, by tapes.

The extension is regulated by a nut, made hexagonal, so as to be turned by a little wrench. The steel semi-circular band goes half around the front of the limb, and on the opposite side has a short rod projecting down beside the knee to tie tapes to, like the one shown on the hither side in the cut.

DIRECTIONS FOR MEASUREMENTS.

As per diagram on page 552.

- Circumference of body between crest of ilium and trochanter major.
- Distance from same point to center of knee-joint.
- Circumference of limb two inches above knee-joint.
- Circumference of middle of thigh.
- State if for right or left hip.

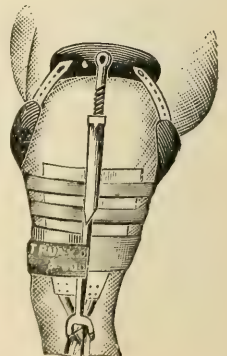


Fig 645. E.S.Andrews' (Chicago) Short Splint.

CHAS. TRUAX & CO. GREENE & CO.

DEFORMITY APPARATUS.

Fig. 646. THE STRETCHER BED.
As Used By Dr. Ridlon.

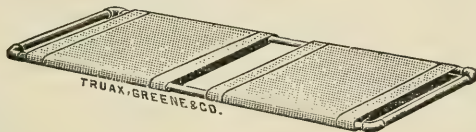


Fig. 646.

This bed is extensively used by orthopedic surgeons in cases where continuous recumbency is indicated, as in Potts' disease, hip disease, and disease at the sacro-iliac joint. It consists of an oblong iron frame upon which are stretched two pieces of canvas. The frame should be from two to four inches wider, and from six to ten inches longer, than the patient. The canvas pieces are far enough apart to permit the use of the bed-pan when the patient is lifted upon the stretcher-bed. A certain recumbency is assured in children by passing a strap around each shoulder and pinning it to the canvas; the pelvis is immobilized in the same way by passing a broad band of muslin, or a towel, around both patient and frame. Traction may be made in hip disease by weight and pulley, by an elastic strap to a flange at the foot of the frame, or by a traction splint. Counter traction can be had by a perineal strap from a curved flange attached to the side-bar of the frame. Head-traction may be by weight and pulley, or by elastic strap to a flange at the head of the frame. Resting on the stretcher-bed the patient can be moved without discomfort and without disturbing the diseased part, and taken from one room to another, or even out of doors.

In ordering the bed, state the length of patient and width at shoulders and hips, and whether flanges are required for elastic traction at the head, or at the foot, and if counter traction on is to be employed. Price to Patients.....\$5 00 to \$8 00.

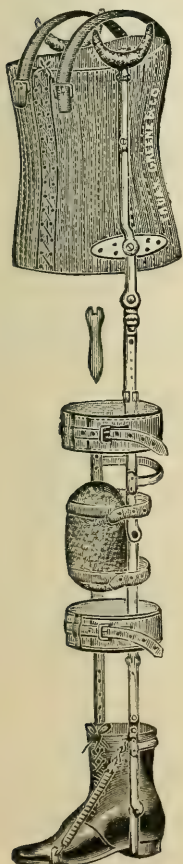


Fig. 647.

Fig. 647. BRACE FOR WEAK LIMB AND SPINE.

Price to patients, according to size and style, for

spine and one leg, without shoe.....\$40 00 to \$60 00
For spine and both legs, without shoes..... 60 00 to 90 00

This apparatus will be found valuable for cases where there exists a weak or deformed spine, with weakness of one or both legs; for cases of paralysis, or in cases of lateral curvature due to a shortened leg following hip disease or hemiplegia. In the latter class of cases it is necessary to have an extension made on the shoe to make up for the shortening. The brace is made in a variety of ways, according to the wants of the patient. The one in cut is made with a rotary joint below the hip-joint, by means of which the foot can be everted or inverted as found necessary. Artificial muscles can also be attached to meet the indications in certain cases. In the figure there is a coiled spring for overcoming contraction of the tendo achillis, and a pad at knee for correcting a tendency to knock knee. If a shoe extension is needed it will be charged for according to style.

Directions for measurements same as Fig. 651, stating also which limb is affected and Fig. 588.

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DEFORMITY APPARATUS.

Fig. 651. APPARATUS FOR PARALYSIS OF BOTH LIMBS.

Price to patients.....\$40 00 to \$70 00

Shoes extra.

See special instructions at bottom of page 551.

This apparatus is designed for Paraplegia affecting the limbs to the knee-joint, and answers both as a support and in aiding the restoration of the mobility of the muscles. It is well adapted for cases of wasting palsy or when certain groups of muscles become atrophied, losing their power to perform their functions; it excites the muscles to action, aiding them by artificial substitutes, made of elastic, rubber or steel placed on the brace so as to gently exercise the affected parts. We can attach these artificial muscles for flexion or extension, as the case may require.

DIRECTIONS FOR MEASUREMENTS.

As per diagram on page 552.

Fig. 651. Apparatus for Paralysis of Both Limbs.

1. Patient's name and full description of the case.
2. Patient's age and weight.
3. Length from sole of foot to knee-joint (1 to 16).
4. Length from sole of foot to ankle-joint (1 to F).
5. Length from sole of foot to trochanter major (1 to K).
6. Length from sole of foot to crest of ilium (1 to 9.)
7. Circumference of calf (D).
8. Circumference of knee (F).
9. Circumference above knee (G).
10. Circumference of thigh (H).
11. Circumference of pelvis one inch below iliac crests (L). Patients should furnish their own laced shoes.

See bottom of page 551.

Fig. 653. APPARATUS FOR PARALYSIS OF ONE LIMB.

Price to patients, for one leg.....\$30 00 to \$40 00

Shoes extra.

See special instructions at bottom of page 551.

This brace is designed for Hemiplegia, and is similar to our No. 651, except that it is only intended for one limb.

DIRECTIONS FOR MEASUREMENTS.

As per diagram on page 552.

Give same directions as for No. 651, and state whether for right or left limb.

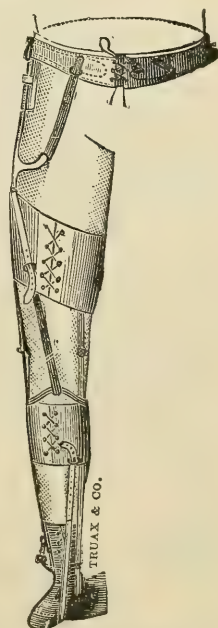


Fig. 653. Apparatus for paralysis of One Limb.



DEFORMITY APPARATUS.

Fig. 654. APPARATUS FOR SUPPORT OF WEAK LIMBS.

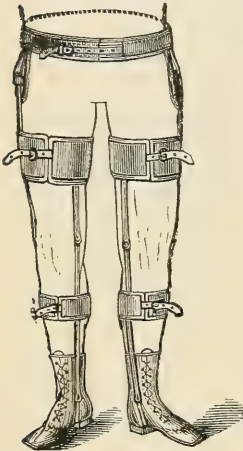


Fig. 654. Apparatus for support of weak limbs.

Price for adults, to patients...\$35 00 to \$70 00. Shoes extra.

Price for children, to patients. 25 00 to 35 00. Shoes extra.

See special instructions at bottom of page 551.

This apparatus is for the support of weak legs when, by reason of relaxed joints, softening of the osseous structure or partial paralysis, they cannot quite bear the weight of the body, but when the muscles still retain some power to perform their respective functions. Very light steel springs are secured to shoes, and carried up the sides of the legs to the pelvis; they are provided with joints corresponding to the natural ones, and secured to calf, thigh and pelvis by well-padded bands and buckles.

DIRECTIONS FOR MEASUREMENTS.

Same as for Fig. 651.

Patients should *always* furnish their own shoes. See bottom of page 552.

Fig. 655. APPARATUS FOR THE SUPPORT OF LEG, WITH HIP BAND.

Price for adults, to patients.....\$25 00 to \$40 00. Shoes extra.

Price for children, to patients..... 15 00 to 20 00. Shoes extra.

See instructions at bottom of page 551.

This apparatus is similar to Fig. 654, and is intended for relief of cases where only one limb is affected.

Directions for measurements same as Fig. 651, stating also which limb is affected.



Fig. 655. Apparatus for support of weak leg, with hip band.

Fig. 658. KNOCK KNEE BRACES.

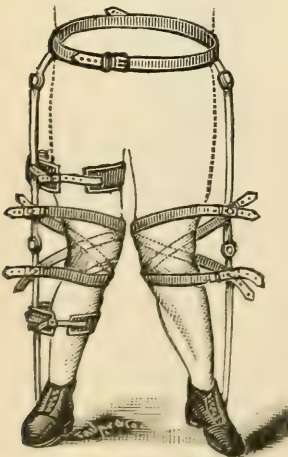
Price for a pair of Braces, without shoes, to patients, \$30 00 to \$40 00. See special instructions at bottom of page 551.

The mechanical treatment of knock-knee requires a proper instrument of sufficient strength to suit the condition of the patient. The one represented is the simplest and most effectual one of which we know. It consists (if the deformity be double) of two lateral stems, with joints at the ankles, knees and hips, extending from the heels of strong shoes to a well-padded pelvic band. The pelvic band is made in two halves in order to admit of adjustment—the tightening of the posterior buckle everting the toes, that of the front buckle inverting them.

A pair of padded straps secured to each other cross-wise act as shown in the cut.

No. 658. Knock-knee Braces

In this manner they support both the head of the tibia and femur, whilst their combined direction of force being outwards, gradually corrects the deformity. Directions for measurements same as for Fig. 651.



HAS **TRUAX** *TRA* **GREENE & CO.**

DEFORMITY APPARATUS.

Fig. 659. THOMAS' KNOCK KNEE BRACE.

As Used by Dr. Ridlon.

Price to patients, without shoes.....\$16.00

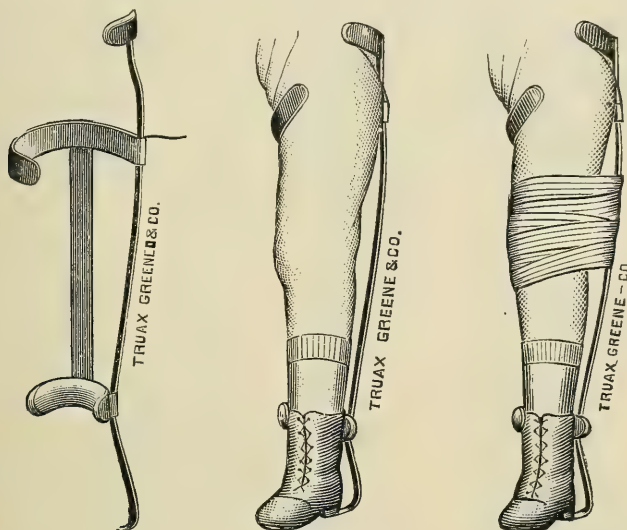


Fig. 659.

The brace is made of soft iron and extends from the great trochanter to the sole of the foot. A band passes two-thirds around the upper thigh, and another two-thirds around the ankle, and these are connected by a light posterior bar. At the top is a lateral oblong pad, and at the bottom the main side-bar is forged round and bent at a right angle and plugs into a hole in the side of the heel of the shoe. The correction of the deformity is affected by a roller bandage.

The braces are to be worn continuously night and day, and for rapid correction the patient is not permitted to walk until the legs are straight. The advantage claimed for this brace is that it keeps the knee at full extension and thereby maintains continuously full leverage action which is lost as soon as the knee begins to bend in all jointed braces.

DIRECTIONS FOR MEASUREMENTS.

As per diagram on page 552.

1. Name, age and weight of patient.
2. Distance from sole of foot to tip of the great trochanter.
3. Circumference of upper thigh.
4. Circumference of ankle.
5. State whether for left or right side, or both.

Patients should furnish their own shoes. See bottom of page 551.



DEFORMITY APPARATUS.

Fig. 664. CHAS. F. STILLMAN'S KNEE EXTENSION APPARATUS.

Price to patients\$35 00 to \$40 00

See special instructions at bottom of page 551.

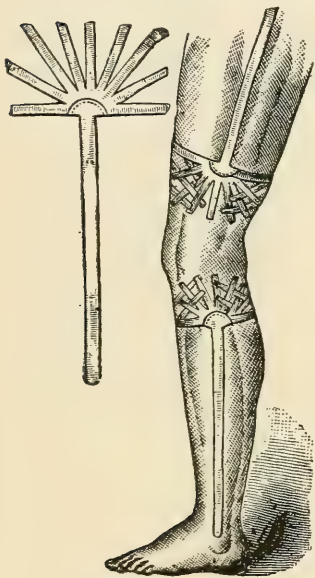


Fig. 662.

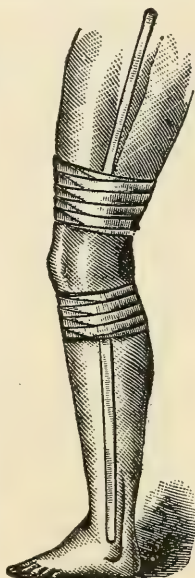


Fig. 663.

In chronic conditions of the knee joint, the plaster of paris attachment is always uncomfortable, and cannot be removed without disturbance of the joint. Since the atrophic changes in the soft parts about the joint render frequent removal of the dressing desirable, it becomes almost a necessity to provide special forms of apparatus which can be removed whenever necessary. In Fig. 664, such an one is shown. By means of a clamp in the slotted arc, the joint may be fixed in any desired position, or by releasing the clamp slightly, motion may be allowed.

"An important indication is the employment of traction. To effect this four plasters are cut, fan-shape, as shown in Fig. 662, and a long strip of webbing is attached to each.

"These plasters are placed as shown in Fig. 662, interlaced for greater security from displacement, and then covered with roller-bandage, as shown in Fig. 663. The inferior and superior extremities of the splint are provided with rollers and buckles to which the webbings are to be attached. By means of an *elastic ratchet*, force may be applied upon the thigh portion of the instrument to effect *elastic extension*. This ratchet consists of two over-riding slotted strips, which can be fastened together by a screw-clamp if the surgeon prefers rigid extension.

"Another indication is the prevention of posterior luxation. To meet this I have devised a spring lever power which operates without interfering with the action of the remainder of the brace. It is a long, flat steel bar, bent to conform to the back of the leg, and placed posteriorly. At its upper end is attached a semi-girth, which presses on the back of the upper part of the leg, and below it is attached to a stirrup which is itself fastened to the

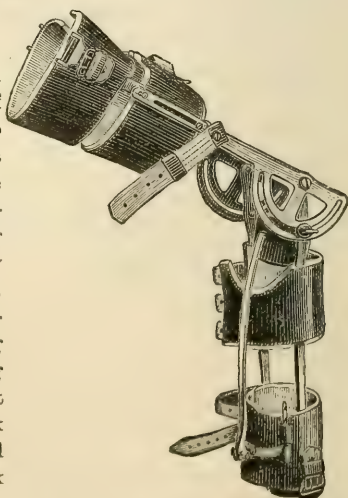


Fig. 664. Stillman's Knee Splint, adjusted for traction.



DEFORMITY APPARATUS.

lower girth of the instrument. This stirrup is provided with a hinge and socket, so that it may be opened and shut when the brace is in position. The forward pressure of the lever can then be adjusted by means of a ratchet at the intersection of it with the stirrup. *Extension* of the joint is affected without pain to the patient.

“After traction has accomplished its purpose and extension is no longer necessary, the splint is so arranged as to permit the removal of the rollers and buckles at each extremity and of the traction ratchets—thus converting it into a simple fixation splint or knee support (Fig. 665), during the stage of convalescence, when, by the use of restorative measures, the anterior muscles of the thigh have been strengthened so as to hold the tibia forward in its proper axis with the femur.”

Fig. 665. STILLMAN'S KNEE EXTENSION APPARATUS WITH ROLLERS REMOVED.

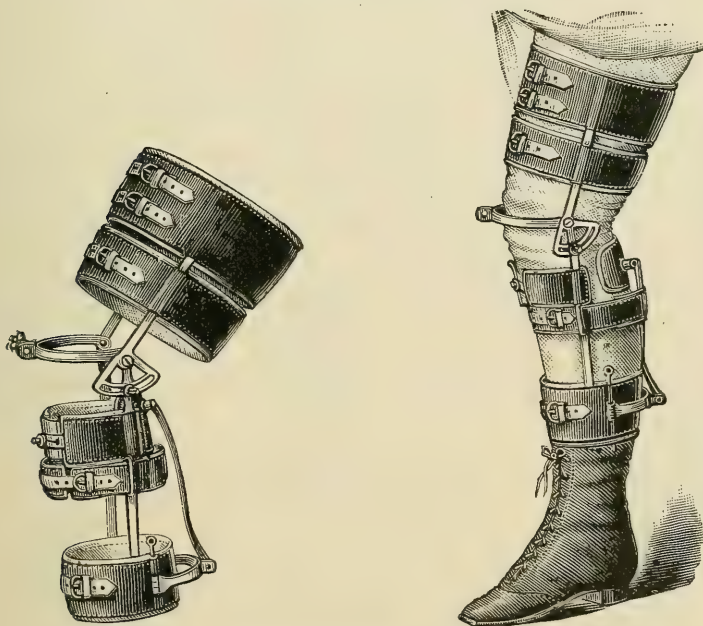


Fig. 665. Stillman's Knee Extension Apparatus, with rollers removed.

MEASUREMENTS REQUIRED.

As per diagram on page 552.

1. Sex, Age and weight of patient.
2. Right or left knee.
3. Length from above ankle to knee (C to F).
4. Length from knee to upper thigh (F to H).
5. Circumference of lower calf (15).
6. Circumference of middle calf (D).
7. Circumference of upper calf (E).
8. Circumference of knee (F).
9. Circumference above knee (G).
10. Circumference of upper thigh (H).



DEFORMITY APPARATUS.

Fig. 666. SAYRE'S KNEE JOINT APPARATUS.

Price to patients\$20 00
See special instructions at bottom of page 551.

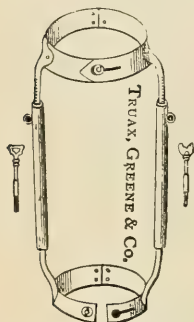


Fig. 666. Sayre's Knee-joint Apparatus

It consists of two bands or collars of sheet-steel, about an inch wide, embracing the limb—the one above the ankle, the other at the upper third of the thigh, admitting of adjustment by means of a hinge and slide that may be locked at any given point, by turning the nut with the key fitted for this purpose. They are connected on either side by an extension rod of the rack and pinion (or screw) construction.

To apply this instrument, adhesive plaster is required, spread on twilled goods, and cut in strips one inch wide and long enough to reach from just below the knee to near the ankle, and from the knee upwards several inches as here represented.

These plasters are secured to within an inch of their extremities by a snugly adjusted roller. The instrument is then placed on the limb, the collars fastened sufficiently to be comfortable, and the loose ends of the adhesive plaster turned over and secured by a roller.

The connecting rods are extended simultaneously by the keys of the rack and pinion construction, or by turning the screws if made the latter way, the articulating surfaces of the tibia and femur separated from each other, and the limb brought

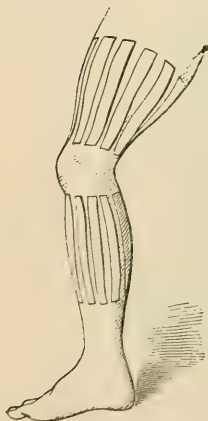


Fig. 667.

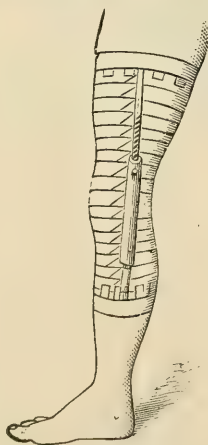


Fig. 669.

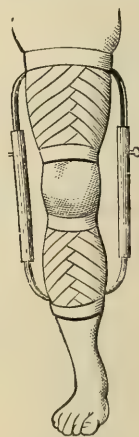


Fig. 670.

nearly straight, as in Fig. 669, until pressure can be made on the foot without pain. A roller is applied over the foot and leg up to the instrument, to prevent cedema. A large coarse sponge is placed in the popliteal space, and other pieces of sponge completely surround the knee-joint; these are secured by a tight roller and then saturated with cold water.

DIRECTIONS FOR MEASUREMENTS.

As per diagram on page 552.

1. Circumference of thigh (H).
2. Circumference of leg above ankle 'C'.
3. Circumference of knee (F).
4. Length from ankle to knee.
5. Length from above ankle to upper third of thigh (C to H).
6. Length from knee to H.
7. State whether for right or left knee.

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Fig. 671. HOOVER'S KNEE EXTENSION APPARATUS.

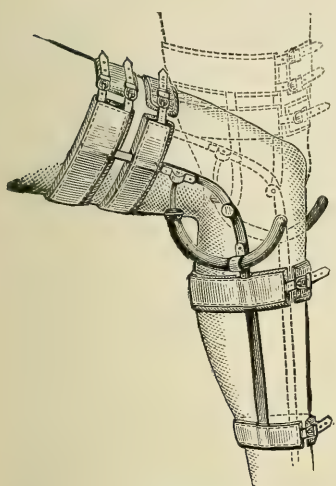


Fig. 671. Hoover's Knee Extension Apparatus.

Price to patients.....\$35 00
See special instructions at the bottom of page 551.

It consists of a band embracing the thigh, of another for the calf, and of one above the ankle. These are fastened to two lateral shafts provided with joints at the knee. Two semi-circular brass tubes, fastened to the lower calf shaft, contain each a spiral spring, acting on bows fastened to the thigh shaft, thus exerting constant elastic extension, which will readily overcome muscular contraction.

DIRECTIONS FOR MEASUREMENTS.

Same as for Fig. 666.

Fig. 672. APPARATUS FOR ANCHYLOSIS OF THE KNEE-JOINT.

Price to patients.....\$20 00 to \$30 00
See special instructions at bottom of page 551.

This apparatus is designed for overcoming muscular contractions of the knee-joint and for favoring the re-establishing of motion in cases of false ankylosis. It consists of two metal troughs for the reception of the thigh and leg, and connected underneath the knee with a screw by means of which the limb may be flexed in any direction. These two troughs are connected by two lateral shafts jointed at the knee and provided with a knee-cap which is adjusted so as to exert pressure upon the patella; it is a powerful instrument, and as it can be moved swiftly it is adapted to the breaking up of adhesions, should the surgeon prefer this method to gradual extension.

DIRECTIONS FOR MEASUREMENTS.

Same as Fig. 666.

Fig. 673. LONG ANCHYLOSIS APPARATUS.

Price to patients, without shoes, \$35 00 to \$40 00. Shoes are charged extra, according to quality. See special instructions at bottom of page 551.

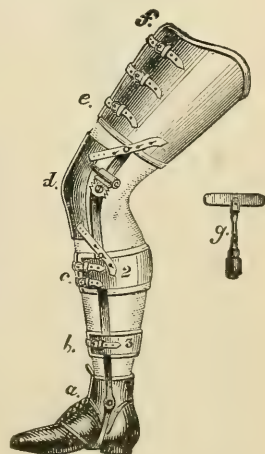


Fig. 673. Long Ankylosis Apparatus.

For overcoming muscular contraction of the knee-joint, and for favoring the re-establishment of motion in cases of false ankylosis.

It consists of metal troughs 1, 2, 3, for the reception of the thigh and leg, united by two lateral shafts, provided with joints at the knee and ankle, and attached to a shoe. A knee cap, adjusted to buttons on the lateral shafts with strong elastic straps, exerts pressure on the patella, whilst the instrument may be flexed and extended by means of a key and ratchet joint opposite the knee.

It is an admirable apparatus for the gradual extension of contracted muscles and for favoring the re-establishment of motion in case of false ankylosis, and of



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remaining stiffness and dryness after treatment of joint disease. By persistent and daily passive exercise a flexible and useful joint may be restored without confining the patient to bed or room. The mechanism is powerful, and may be moved swiftly, adapting it to the forcible breaking up of adhesions as well, should the surgeon prefer this to gradual extension. If desired, the instrument can be made to detach from the shoe, for the greater comfort of patients who are obliged to wear the apparatus continually, but wishing to remove the shoe at night. It is also the best guard against malposition, for should it be deemed impossible to effect a cure the limb may be placed in a situation (to ankylose) most conducive to its future usefulness.

MEASUREMENTS REQUIRED.

Same as Fig. 649.

Fig. 674. E. S. ANDREWS' ANCHYLOSIS APPARATUS.

Price to patients\$16 00

See special instructions at bottom of page 551.

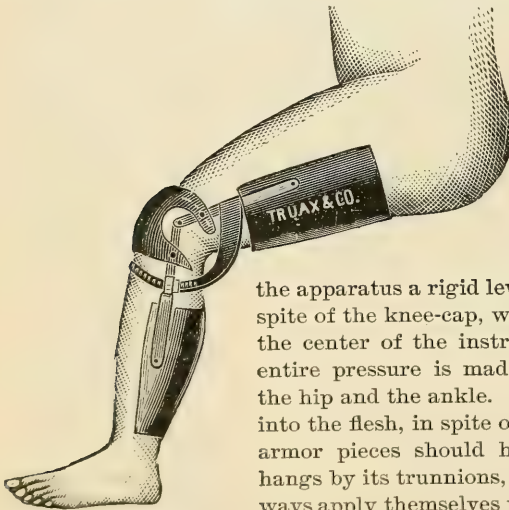


Fig. 674. Andrews' Instrument for Straightening Bent Knees.

"This consists of sheet steel pads, lined with chamois, embracing posterior half of leg and thigh, a curved screw, on which a nut turns, to make forced extension, and a knee-cap.

"Many surgeons still rivet the thigh and leg pieces fast to the rods that pass to the joint of each knee, thus making each arm of

the apparatus a rigid lever. The evil of this plan is that, in spite of the knee-cap, when the extension force is applied, the center of the instrument draws back a little, and the entire pressure is made at the upper and lower ends, near the hip and the ankle. Here the instrument digs painfully into the flesh, in spite of all precautions. To avoid this, the armor pieces should hang by their centers, as a cannon hangs by its trunnions, by movable joints, so that they always apply themselves painlessly to the surface of the limb, pressing equally in all parts. This part of the plan has been in use quite a number of years, and seems to have occurred almost simultaneously to several surgeons, while it is

still unaccountably neglected by others. Being an old device among mechanics, its invention cannot be specially credited to surgeons. The power required for the extension has usually been obtained by a straight brace screw behind the knee, or by a small endless screw on the side. The straight brace screw has the inconvenience of being in the way when the patient desires to sit in a chair. The screw is riveted firmly to the upper arm of the instrument, and runs through a perforated projection of the lower arm. A nut, turned by a key, furnishes the requisite power to force the limb to a straight position."—E. ANDREWS, M. D.

DIRECTIONS FOR MEASUREMENTS.

Same as for Fig. 666.



DEFORMITY APPARATUS.

Fig. 675. E. S. ANDREWS' (CHICAGO) KNEE SPLINT.

Price to patients.....\$8 00

See special instructions at foot of page 551.

This consists of a leather lacer at the top, spreading out somewhat upon the bulge of the nates. The rod is loosely jointed to a steel plate riveted to the lacer. The broad, perpendicular adhesive strap should terminate a little above the slot. To the lower end a stout elastic band is sewn, a few inches long. A leather strap is sewn to the elastic. The opposite side of the limb is armed in the same way. The hip leather being laced on, the strap and elastic bands carried down to the slot. The strap is drawn through the slot, then stretched firmly upward by the hand, and buckled to the knob. The elastic, in passing under the friction roller, pulls strongly downward on the adhesive plaster and the limb to which it is attached.

If it is desired to remove the apparatus, all that is necessary is to unbutton the two straps, when the brace can be slipped off over the foot.

DIRECTIONS FOR MEASUREMENTS.

Same as for Fig. 666, as per diagram on page 552.

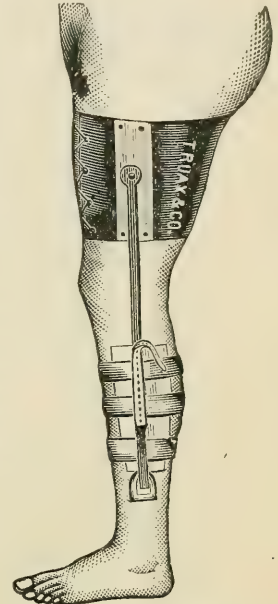


Fig. 675. E. S. Andrews' (Chicago) Knee Splint.

Fig. 676. ANDREWS' TRACTION BRACE FOR INFLAMED AND FLEXED KNEE.

Price to patients.....\$12 00

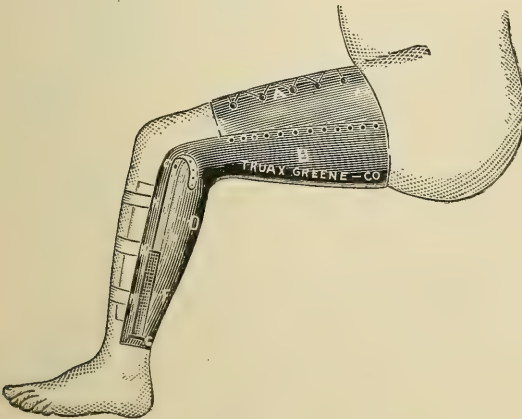


Fig. 676.

This apparatus consists of a leather lacer, *a*; a brass or steel splint, *b*, hammered to fit the limb; a leather strap, *d*, buttoned to knob, *c*, and attached to elastic webbing, *f*, which passes under friction roller in slot, *g*, turning up on inside of splint and being sewn to the longitudinal adhesive strip which is held in place by circular adhesive strips, *k k k*, for the purpose of making downward traction.

Directions for measure-

ments, same as for Fig. 674 and giving also a tracing of the posterior contour of the limb from ankle to upper thigh:

CHAS. TRUAX & CO. GREENE & CO.

DEFORMITY APPARATUS.

Fig. 678. SAYRE'S ROTATING SPLINT FOR EVERSION AND INVERSION.

Price to patients.....\$25 00 to \$35 00

See special instructions at bottom of page 551.

"To accomplish this object I had constructed a shoe with the additional attachment of a rotating screw, which fulfills the indication completely. It is the application of the same principle which I have for so long a time used in the outward rotation of the femur in the third stage of hip-disease. In applying this force for the outward rotation of the foot, in cases of club-feet, a light metallic rod or shaft is secured to the bottom of the shoe, in front of the heel, passed up on the outer side of the limb, and connected with a well padded pelvic belt, having joints, of course, opposite the ankle, knee and hip. Just below the joint, opposite the hip, the shaft is divided into two sections, and at this point is an endless screw, placed transversely to the shaft. The screw is worked by a key, and is capable of producing rotation through two-thirds of the arc of a circle. There is a well padded belt just above the ankle and another belt above the knee."—
"Orthopedic Surgery and Diseases of the Joints."

LEWIS A. SAYRE, M.D.

MEASUREMENTS REQUIRED.

Same as for Fig. 648.

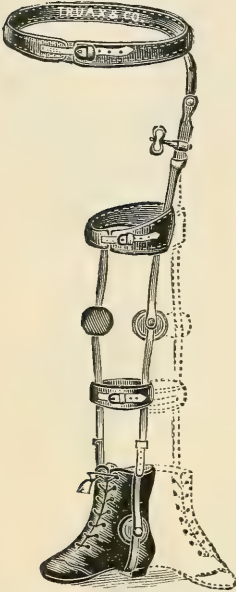


Fig. 678. Sayre's Rotating Splint.

Fig. 678 A. ROBERTS' ELASTIC KNEE EXTENSION

Price to patients.....\$35 00

This brace for ankylosis of the knee joint is exceedingly light. Owing to its elastic attachments, there is, during locomotion a slight yielding of the instrument permitted, which renders it less irksome to the wearer than an absolutely rigid apparatus. At the thigh there is a well padded encasement and the stirrup is riveted to the shoe. There are simple hinge joints at knee and ankle. *A* is a semi-circular steel band made fast to the side bars below the knee. Attached to it is an adjustable metallic arm (*B*) extending downward in a line with a spine of the tibia. A broad elastic band (*F*) passes behind the head of the tibia and over the metallic arm (*B*), which serves as a fixed point for making elastic traction upon the posterior part of the head of the tibia. *E* is an elastic band passing from one side bar to the other in front of the thigh, thus keeping the instrument in the same relative position to that part of the limb. *C* is a short lever projecting forward and curved upward. To this is attached a strong strip of elastic webbing (*CD*), which supplements the action of the quadriceps extensor muscle, and by means of which any desired amount of elastic tension can be effected.

Measurements required same as Fig. 649.

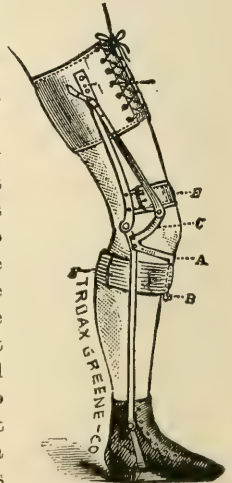


Fig. 678 A.



DEFORMITY APPARATUS.

Fig. 678 B. DR. McCURDY'S ELASTIC TRACTION KNEE BRACE.

Price to patients, according to size.....\$15 00

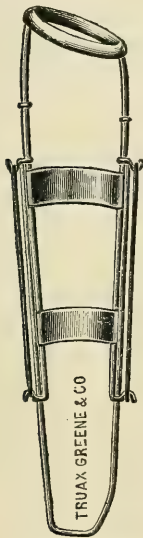


Fig. 678 B.

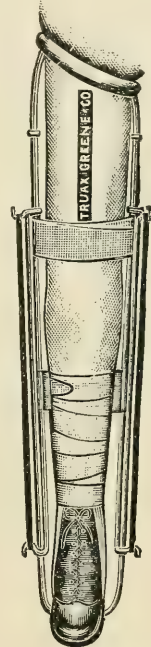


Fig. 678 B

The knee brace is made as shown of two pieces of wire above the brace, and terminates in a Thomas ring and rests around the thigh and against the *tuber ischii*, which is padded with piano mattress felt covered with leather.

Below, the brace is secured to the shank of a lace shoe by a couple of staples driven through the shank and clinched on the inside. The lower end being round as it passes through the staple allows free ankle motion.

Motion of the knee is prevented during the active stage of a synovitis by placing two supports back of the leg, one below and one above the knee.

These supports are made of sheet copper, tin or adhesive plaster. Another anterior support of adhesive plaster is put across in front above the knee. When the active inflammation has subsided, subluxation, the most common sequelæ, can be prevented by placing the anterior support over the condyles and the lower posterior support around the head of the tibia.

If it is desirable to relieve the traction upon the ankle, adhesives can be secured to the skin on either side of the leg and fastened together under the shoe.



DEFORMITY APPARTUS.

Fig. 679. THE THOMAS KNEE SPLINT.

(As used by Dr. Ridlon.)

Price, to patients, according to size and finish.....\$8 00 to 12 00

The splint is made in two forms: the bed form, and the walking or "caliper" splint, which is shown in the illustration. The bed splint runs some distance below the foot in an indented loop. Around the indentation the straps from the adhesive plasters are tied when it is desired to use traction. This form of splint is readily transformed into the caliper by cutting off the loop and bending the cut-off ends to a right-angle to pass into a hole through the heel of the shoe.

The bed splint is used only when it is thought best to gradually correct a deformity by traction, or where, for any reason, it is desired to confine a patient to bed.

Where it is possible, it is generally thought best to rapidly correct any existing deformity while the patient is anæsthetized, and at once apply the caliper.

The caliper splint consists of a ring and two side-bars of strong iron wire. The ring slopes from without inward, and from before backward, so that the part upon which the tuberosity of the ischium rests is its lowest part; it is bent to such a shape that when properly padded it shall fit the outline of the upper thigh, following fairly accurately the gluteo-femoral crease and the groin. The ring is padded with felt and covered with basil leather. The side bars should not be bent if it can be avoided, and pass from the ring to the sole of the shoe. In some cases, however, it will be necessary to bow the inner bar as it passes the knee.

At the back of the knee is a broad leather strap, and at the back of the ankle is another strap. The ankle strap should be made sufficiently snug to relieve the tip of the heel from pressure, and the knee strap should support the popliteal region comfortably.

Above and below the knee in front are padded pieces of sheet iron, by which backward pressure is made by a strip of bandage tied around the side-bars. The backward pressure should be sufficient to absolutely immobilize the joint. At times when the muscular spasm is intense, or where a very old deformity has been forcibly reduced, the pressure of the tip of the heel in the shoe will be complained of; then the heel "counter" should be removed, or at least freely cut with crucial incisions, one cut being parallel with the sole and the other down the vertical seam. It is advised that no patient be allowed to walk until the deformity has been corrected and all pain and intense muscular spasms have subsided.

To measure for the splint, give the circumference of the thigh, following the gluteo-femoral crease and the groin, not drawing the tape too tight; and the distance from the tuberosity of the ischium to the sole of the shoe. If the limb is shortened through flexion at the knee, give this measurement from the sound limb. The measurement of the outer bar is from the tip of the great trochanter to the sole. The shoe to be worn with the splint should always accompany the order for a "caliper;" and if a bed splint it should be stated whether it is for the right or left limb.

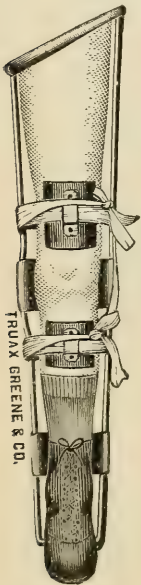


Fig. 679.

HAS **TRUAX** *TRU* **GREENE & Co.**

DEFORMITY APPARATUS.

Fig. 680 A. RIDLON'S SHEARS.

Net price to physicians.....\$20 00

These shears are made from Porter's bolt cutter by the addition of these bending-posts, as shown in the illustrations. The two posts to the left which turn in their sockets, are shaped to take wire from $\frac{3}{16}$ to $\frac{3}{8}$ inch, and lock by tumbler-bar pivoted at the middle post and falling into a slot in the left post. The right post is fast in its socket, but bears a spool which plays freely, thus using the wire only from the right end in bending. Fig. 680 B shows the wire dropped into place and Fig. 680 A shows the same bent to a right angle.

The shears are used for cutting off the loop end of the bed form of the Thomas Knee Splint in transforming it into a walking or "caliper" splint. The cut-off ends of the side bars are bent to a right angle to pass into a hole or tube in the heel of the shoe. (See Thomas' Knee Splint.) The shears are of the most urgent use in fitting the Thomas' Knee Splint in the treatment of fractures of the patella.

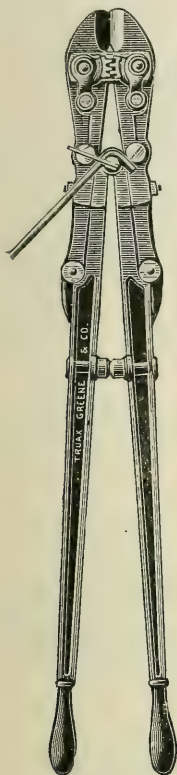


Fig. 680 A.

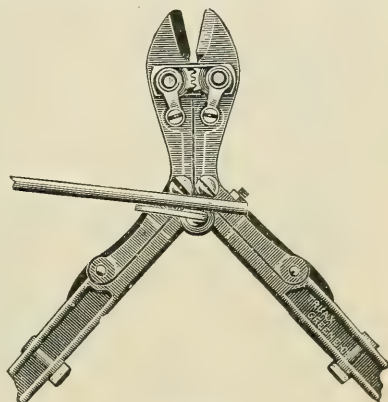


Fig. 680 B.

Fig. 680C. BIGG'S INSTRUMENT FOR SHORT LEG.

Price to patients.....\$35 00

See special instructions at bottom of page 551.

This instrument is very useful where shortening of the limb is the result of ankylosis of the knee-joint. It is a modification of Bigg's, and consists of a thigh trough, well-padded, and attached to a strong steel stem, bifurcating below the knee, and running down each side of the leg, terminating in a socket which is filled up with a rubber bottom to rest on the ground. The thigh is secured to the apparatus by straps and buckles. The weight of the body is transmitted to the ground by side stems in a vertical line, without straining the knee. For further comfort, the knee may be kept in place by a knee-cap. A strap is passed over the middle of the leg, while the foot rests on a swiveled plate placed between the bifurcated stem.

DIRECTIONS FOR MEASUREMENTS.

1. Name, age and weight of patient.
2. Right or left leg.
3. Length from sole of foot to knee joint.
4. Length from knee joint to upper third of thigh.
5. Circumference of the thigh.
6. Circumference of the calf.
7. Degrees of the angle of flexion.
8. Distance from the heel of the patient's shoe to the ground when standing erect.

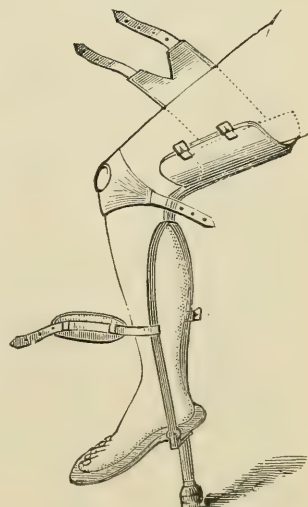


Fig. 680 C. Bigg's Instrument for Short Leg.

DEFORMITY APPARATUS.

Fig. 681 A. THOMAS' BOW-LEG BRACE.

(As used by Dr. Ridlon).

Price to patients, without shoes, per pair, \$10 00 to \$12 00

The brace is made of soft iron, and the main side-bar extends from the upper margin of the tibia to the sole of the foot. At the upper end is attached a band which passes about two-thirds around the leg. The lower end is forged round, bent at a right angle, and plugs into a hole in the side of the heel of the shoe. The corrective force is exerted by means of a broad strap as shown in the illustration.

The measurements required, are:

The distance from the upper margin of the tibia to the sole, and the circumference of the limb at the upper point indicated.

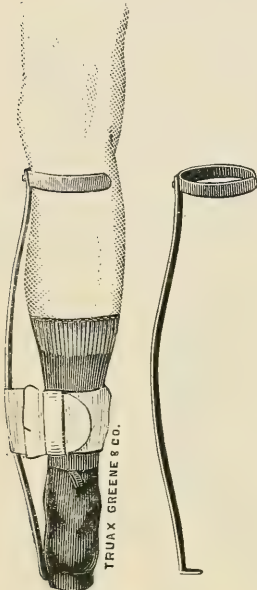


Fig. 681 A.

the sole of the shoe to the ankle joint, and is riveted directly to the shoe in front of the heel. The second segment of the instrument is a narrow strip of stiff steel, having a curvature in the opposite direction to the deformity. The third segment extends a short distance above the knee joint, and is provided with a curved piece, riveted at right angles to the shaft of the instrument. A roller bandage is carried about the leg and over the instrument, the latter being drawn up close to the limb, as shown. The curved shaft being made of spring steel, and tempered, when straightened out and drawn close to the limb, gently tends to return to its former curve. Instead of the roller bandage being used to secure the apparatus, an elastic cap can be drawn on, which extends from a little above the ankle joint to a point just below the knee. The elastic cap is much more convenient for removing and applying, and exerts, in addition to the spring shaft, a constant elastic traction. The pads attached to the instrument opposite the ankle and knee joints, serve as points of counter-pressure. This brace is to be worn day and night, and should be removed each day, in order to manipulate the muscles, as the prolonged wearing of bandages, even though the patient exercises considerably, is likely to cause more or less muscular atrophy.

Fig. 681B. BRUCE'S BOW-LEG APPARATUS.

Price to patients, per pair, without shoes, \$20 00 to \$24 00

This apparatus consists of three pieces, with joints corresponding to the ankle and knee, and is placed upon the inner aspect of the limb. It is of very light pieces of steel. The first segment of the instrument extends from

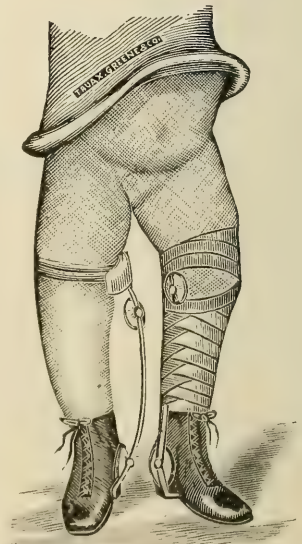


Fig. 681B.

CHAS. TRUAX & CO. GREENE & CO.

DEFORMITY APPARATUS.

Fig. 682. CHAS. F. STILLMAN'S LONG BOW-LEG BRACES.

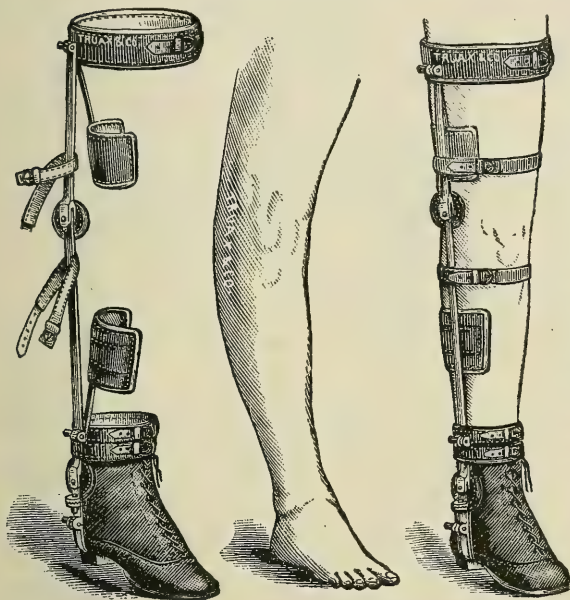


Fig. 682. Chas. F. Stillman's Long Bow-leg Braces.

Price to patients, without shoes, per pair, \$35 00 to \$40 00

See special instructions at bottom of page 551.

These braces exert a constant spring force, which tends to overcome the deformity gradually. It is adjustable by means of a ratchet and key, and is very effective, for not only does it support the limb while the deformity is being reduced, but the ratchets at the lower extremity of the instrument allow the surgeon to control the position of the feet at the same time.

When manufactured, the springs should be of such length as to properly bear on the points of greatest curvature, so that an even and uniform pressure may be maintained at all times.

MEASUREMENTS REQUIRED.

Same as for Fig. 686.

Send well-fitting shoes (laced preferred) or measurements as given on page 552.

Fig. 683. CHAS. F. STILLMAN'S SHORT BOW-LEG BRACE.

Price to patients, without shoes, per pair, \$25 to \$30

See special instructions at bottom of page 551.

This apparatus is similar in construction to Fig. 682, and is intended only for cases where the curvature is slight or entirely below the knee. The spring and pad may be attached to the lower part of the brace, thus bringing the pad closer to the knee, to meet the wants of special cases.

MEASUREMENTS.

1. Name, weight and age of patient.
2. Length from sole to ankle joint.
3. Length from sole to center of convexity of leg.
4. Length from sole to garter (E).
5. Circumference above ankle (C).
6. Circumference at garter (E).

Fig. 686. BEST BOW-LEG BRACE.

Price to patients:

Without shoes, per pair, \$25 00 to \$30 00

If made with extensions, \$30 00 to \$35 00

Patients should furnish their own well-fitting laced shoes.

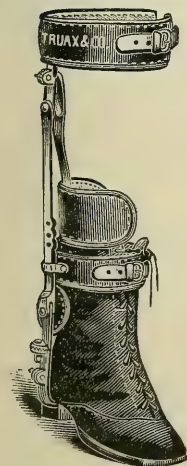


Fig. 683. Chas. F. Stillman's Short Bow-leg Brace.

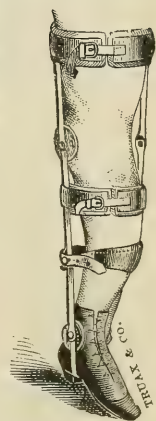


Fig. 686. Best Bow-leg Brace.

See special instructions at bottom of page 551.

The mechanical treatment of bow legs is very simple. 1. The bones in a softened condition, yielding under the weight of the body, must be assisted by extraneous



DEFORMITY APPARATUS.

help. 2. The arched bones must be restored to their normal condition. The instrument illustrated by the cut answers the purpose admirably.

DIRECTIONS FOR MEASUREMENTS.

As per diagram on page 552.

1. Length from sole to ankle.
2. Length from sole to center of convexity of leg.
3. Length from sole to knee, inner side.
4. Length from sole to thigh, outer side.
5. Circumference of calf.
6. Circumference of thigh.

If shoes are to be furnished, send measurements given on page 552.

Fig. 687. BOW-LEG BRACES, SINGLE BAR.

Price to patients, without shoes, per pair, \$20 to \$25
Price with extensions, \$23 to \$28.

See special instructions at bottom of page 551.

This apparatus is similar to Fig. 686, and differs only in having a single side bar. It answers for mild cases and for those who desire a cheaper brace than the former.

Directions for measurements same as for Fig. 686.

Fig. 688. SHORT BOW-LEG BRACES.

Price to patients, without shoes, per pair, \$15 to \$20
See special instructions at bottom of page 551.

This apparatus will answer in many slight cases or when the bow is greatest below the calf and the knee is not involved in the deformity.

DIRECTIONS FOR MEASUREMENTS.

1. Name, age and weight of patient.
2. Length from sole to ankle joint.
3. Length from sole to centre of convexity of leg.
4. Length from sole to knee joint.
5. Circumference above ankle.
6. Circumference of upper calf.

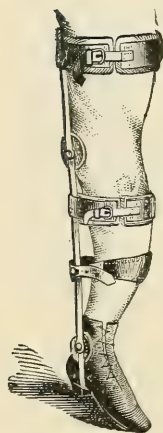


Fig. 687. Bow-leg Braces, Single Bar.



Fig. 688. Short Bow-leg Braces.

Fig. 690. BRACE FOR CORRECTING ANTERIOR CURVATURE OF THE TIBIA.

Price to patients, of brace for one leg, without shoe.....\$12 00 to \$18 00
Price to patients, of a pair of braces, without shoes.....\$24 00 to \$36 00

See special instructions at bottom of page 551.

This cut is a fair representation of the instrument. It consists of two upright steel stems fastened below to a shoe and terminating above in the calf-band. The deformity is corrected either by passing a leather bandage around the stems and tightly lacing it in front over the arc of the curvature (A), or by a strap passed over the arc of the curvature and fastened to a spur suspended from the calf-band behind, the points of resistance being in either case the heel of the shoe (B) and the posterior trough of the calf-band (C).

Directions for measurements, same as for Fig. 683.

If we are to furnish shoes, send measurements as per directions on page 552.

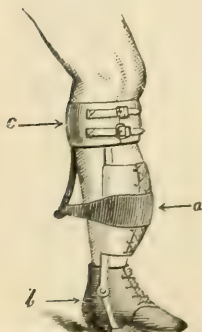


Fig. 690. Brace for Anterior Curvature of the Tibia.



DEFORMITY APPARATUS.

Fig. 691. RIZZOLI'S OSTEOCLAST.

Net Price to physicians.....\$35 00

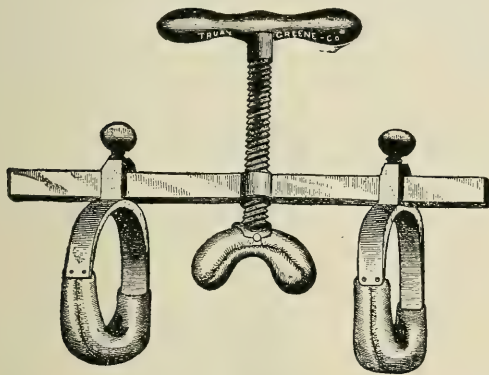


Fig. 691.

Fig. 692. GRATAN'S OSTEOCLAST.

Net price to physicians.....\$35 00

The advantages claimed for this osteoclast are: Its moderate cost, its compactness and the possibility of lifting the limb out of the instrument after the bone has been fractured with the least possible disturbance of the broken bone. The curved forks are adjustable, and may be set at every half-inch. The thread of the screw is cut "long," so that pressure is brought to bear with great rapidity and as rapidly released. It is of polished steel and can be readily rendered aseptic. It can be easily taken apart, and packs in the ordinary instrument bag.

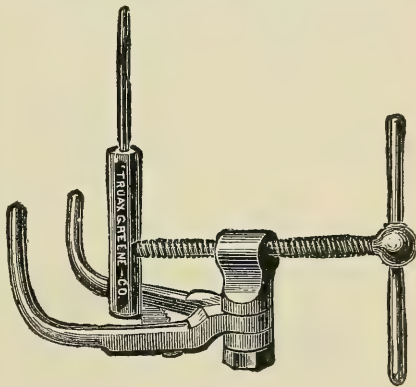


Fig. 692.

692A. ANDREWS' LACED SPLINT FOR DISEASED ANKLE.

Price to patients.....\$8 00

This splint is made of leather and lined with chamois. The object is to give fixation and slight extension by being laced over the foot and leg which pushes in both directions from the joint toward the calf and foot. In ordering, it is necessary to send a plaster cast of the leg and foot or a mould from which we may make one over which the splint is made.

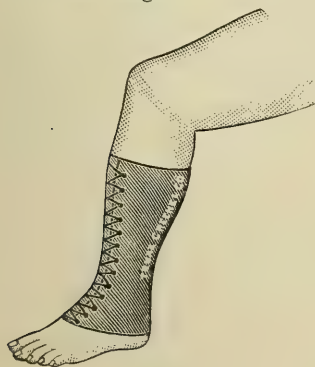


Fig. 692 A.

CHAS. TRUAX & GREENE

DEFORMITY APPARATUS.

Fig. 693. APPARATUS FOR THE SUPPORT OF WEAK ANKLES.

Brace for one leg only, without shoes, to patients.....\$8 00 to \$10 00
 Pair of braces, without shoes, to patients.....16 00 to 20 00

See special instructions at bottom of page 551.

These instruments are used to maintain the position of the foot, after the relief of valgus or varus by the regular club foot shoe, and also for correcting simple lateral inversion or eversion of the ankle joint, resembling varus or valgus, commonly called weak ankle.

The best direction for selecting the side on which the instrument should be applied is, that if the outer ankle has a tendency to eversion, the apparatus should invariably be placed to the inner side, and *vice versa*.

In obstinate cases it is made by double stems, in order to give greater security, and to keep the sole in a strictly horizontal plane; the ankle may be further protected by a small, round, soft pad, to prevent chafing against the steel.

Directions for measurements, same as for Fig. 710.

Send well-fitting shoes or measurements as per directions on page 552.

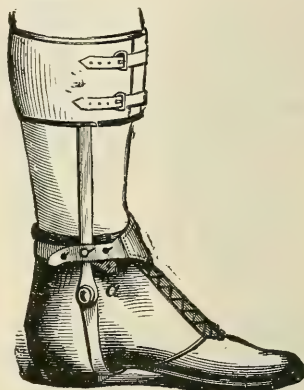


Fig. 693 Weak Ankle Brace.

Fig. 694. CHAS. F. STILLMAN'S ANKLE BRACE, WITH CLAMPS.

Price to patients, according to size, for one foot, without shoe.....\$15 00 to \$20 00

See special instructions at bottom of page 551.

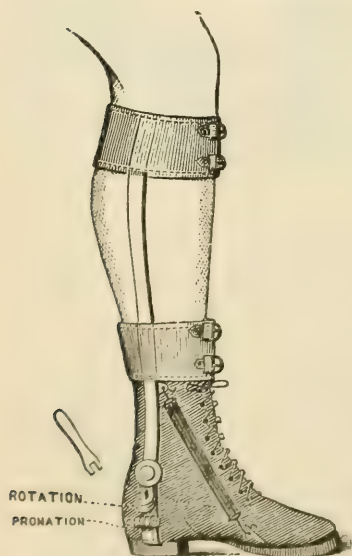


Fig. 694. Chas. F. Stillman's Ankle Brace with Clamps.

"This apparatus is for weak ankles when associated with inverted feet, for the less severe forms of talipes varus, especially when due to infantile paralysis, and for the after-treatment of such cases as have been subjected to operation. It consists of a single bar placed on the outer side of the leg, jointed at the ankle, riveted to the shoe, under the heel, and buckled to the leg by two girths, one just below the knee and the other above the ankle.

"It is fitted with two ratchets and an elastic webbing. One ratchet is placed just below the ankle for rotation, and allows that part of the brace below it to be thrown out and fixed at any angle with the part above; for, when so fixed, and the brace secured to the foot and leg, any inversion tendency is combated by the entire brace, which thus acts as a powerful spring to keep the foot rotated outwardly. The second, or pronation ratchet, is placed where the side-strip passes under the shoe, and enables the surgeon to entirely prevent any tendency of the foot to turn under; for if the side-strip be clamped by it at an angle of about forty-five degrees outward from the foot, and then brought up against the leg and secured by the girths, the foot will be turned in its long axis so that the patient

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DEFORMITY APPARATUS.

will walk on the inner instead of the outer side. This effect may be varied by the ratchet in the side-strip, so that the brace may be anything from a simple vertical support to an agent for the production of valgus, so completely does this ratchet place the limb under the control of the surgeon. Contraction of the posterior muscles is combated by the use of elastic webbing, provided with hooks passing from an eyelet in the sole opposite the base of the little toe to a point on the side-strip at about the lower girth.

"In many cases it may seem preferable to allow a limited range of *lateral movement* of the foot, instead of having the eversion *fixed* by the clamp. This may be secured by having a loose rotary joint, and attaching a coiled spring to the side-strip, whose power can be regulated by a cog and catch, so that it may be 'wound up' to any desired degree of rotary power, thus combating the inversion by a constant elastic force, without impairing support.

"The physiological point to which I wish to draw attention is the necessity of rotating the foot outward (extreme eversion) before applying elastic force, if complete reduction of an equino-varus or an equinus be desired. Whenever, in these conditions, the os calcis is drawn upward and the astragalus projects, it is impossible to apply the upward elastic force advantageously in the median line until the foot is rotated outward, as the partial dislocation of itself prevents the normal degree of movement upward in the ankle-joint. The foot should be taken in the hands of the surgeon and forcibly everted, and, after passing the median line, pronated; and it will then be found that the deformity can be relieved with much greater ease. It follows, therefore, that a brace to be effective, should contain provision for these movements and afterward afford fixation in the corrected position, while not interfering with the normal motion of the ankle."—C. F. STILLMAN, M. D.

Directions for measurements:

1. Name, age and weight of patient.
2. Length from sole to ankle joint.
3. Length from sole to garter (E.)
4. Circumference at garter
5. Circumference above ankle.
6. State whether resembling varus or valgus.
7. State whether for right or left, or both ankles.

Fig. 695. PROF. GUNN'S APPARATUS FOR TALIPES VARUS.

Price to patients, without shoes.....\$15 00 to \$20 00
For both feet..... 30 00 to 40 00

See special instructions at bottom of page 551.

As will be seen from the illustration, this acts on a new principle, and consists of a brace similar to those used in cases of paralysis, having in addition two arms, placed one above and one below the ankle-joint. These arms are connected by a screw, so that the front part of the foot may be elevated or depressed at pleasure. As the brace extends above the knee, every time the knee is flexed the foot must of necessity

be drawn into its normal position, which, with the screw attachments, makes a serviceable brace.

DIRECTIONS FOR MEASUREMENTS.

As per diagram on page 552.

1. Patient's name (or sex).
2. Which leg (or both).
3. Length from floor to ankle-joint (1 to 16).
4. Length from floor to knee-joint, inner side (1 to F).
5. Length from floor to knee-joint outside (1 to F.)
6. Length from floor to upper third of thigh (1 to H.)
7. Circumference of ankle (16).
8. Circumference of calf (D.)
9. Circumference of upper third of thigh (H.)

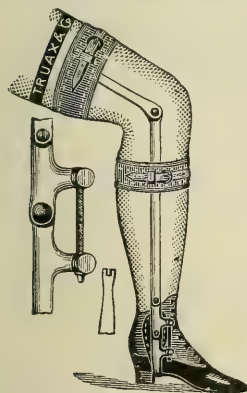


Fig. 695. Gunn's Apparatus for Talipes.



DEFORMITY APPARATUS.

Fig. 697. SAYRE'S APPARATUS FOR INFLAMMATION OF THE ANKLE-JOINT.

Price to patients.....\$20 00 to \$25 00

See special instructions at the bottom of page 551.

"This instrument consists of a firm steel plate, made to fit the sole of the foot; at the heel is a hinge joint, and attached to it a rod, slightly curved at the bottom and extending up the back of the leg to near the knee. Over the instep is an arch

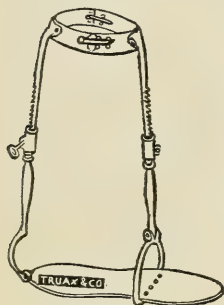


Fig. 697.

like the top of a stirrup, with a hinge joint at its summit from which springs another rod, which runs in front of the leg, of equal length with the one behind. These rods are made with a male and female screw, or ratchet and cog, for extension, and connected at the top by a firm band of sheet iron, on one side of which is a hinge and a lock on the other, like a dog collar. In front of the arch that goes over the instep is a joint in the foot plate, which permits flexion of the toes.

"The instrument is applied with firm adhesive plaster, cut in strips about one inch in width, and long enough to reach from the ankle to a short distance above the knee and placed all around the limb. The plaster is

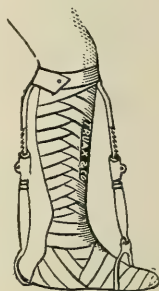


Fig. 699.

secured in its position to within a few inches of its upper extremity by a well adjusted roller. To prevent its slipping, the ends of the plaster at the top of the instrument are turned over the collar which has been previously locked, just tight enough to be comfortable, and secured by a turn or two of the bandage, as seen in Fig. 699. With the instrument accurately adjusted, the extension can be regulated by the key, so as to make the patient comfortable."

MEASUREMENTS REQUIRED.

As per diagram on page 552.

1. Trace the outlines of the sole on a piece of paper.
2. Length from sole to garter (1 to E).
3. Circumference of garter (E).

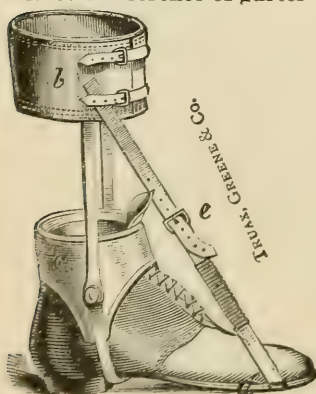


Fig. 701. APPARATUS FOR WEAK ANKLE AND CONTRACTED TENDO ACHILLIS.

Price to patients, of a brace, without shoes, for only one leg \$8.00 to \$12.00. Price to patients of a pair of braces, \$16.00 to \$24.00.

See special instructions at bottom of page 551.

(TALIPES EQUINUS.)

Should there be contraction of the tendo achillis and consequent dropping of the toes, it is conveniently corrected by means of an artificial elastic muscle, one end of which is fastened to the sole of the shoe, the other to the calf-band (b); it may be regulated to any degree of tension by means of a buckle (e).

Fig. 701. Apparatus for Weak Ankle and Contracted Tendo Achillis.

In ordering the apparatus, send the description and measurements for Fig. 710.



DEFORMITY APPARATUS.

Fig. 702. CHAS. S. STILLMAN'S ANKLE SPLINT.

Price to patients, according to size, \$15.00 to \$20.00.

See special instructions on page 551.

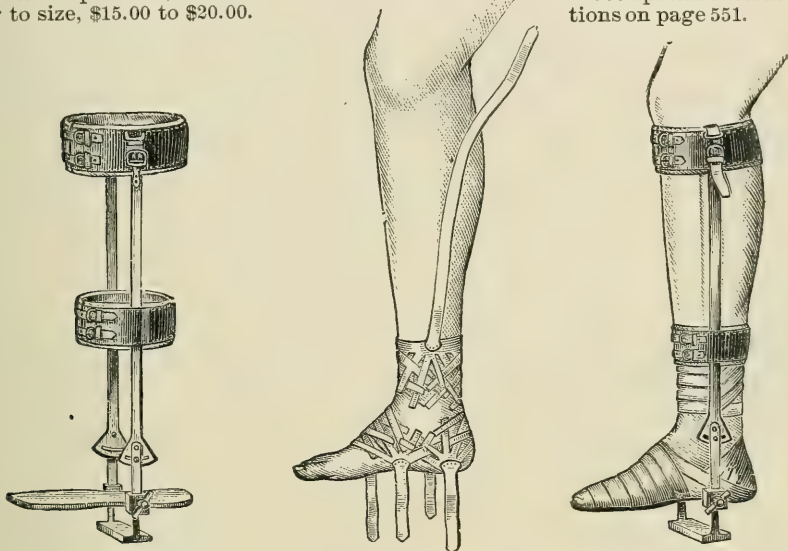


Fig. 702. Stillman's Ankle Splint.

Fig. 702. Application Plasters.

Fig. 702. Stillman's Ankle Splint applied.

MEASUREMENTS REQUIRED.

1. Trace the outlines of the sole on a piece of paper, and mail it to us with
- 2 Length from sole to ankle. 3. Length from sole to calf. 4. Circumference of calf.

702 A. DR. McCURDY'S ELASTIC TRACTION ANKLE BRACE.

Price to patients, according to size.....\$10 00

See special instructions on 551.

The ankle brace is made on the same principle as the knee-brace, Fig. 678B, excepting it terminates below the knee in an incomplete ring made as the wrist brace, Fig. 734. The ring is padded and covered with leather which buckles in front.

DIRECTIONS FOR MEASUREMENTS.

1. Name, age and sex of patient.
2. Distance from sole to upper calf.
3. Circumference of ankle.
4. Circumference of calf.
5. State if for right or left ankle.

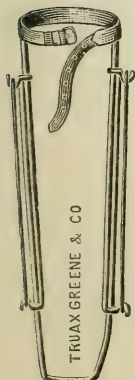


Fig. 702 A.

HAS **TRUAX & GREENE** & CO.

DEFORMITY APPARATUS.

Fig. 703. SAYRE'S IMPROVED BALL AND SOCKET CLUB-FOOT SHOE.

Price to patients, of a single shoe.....\$10 00 to \$14 00
Price to patients, of a pair of shoes, complete according to size, 20 00 to 28 00

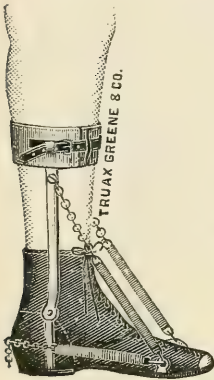


Fig. 703. Sayre's Improved Ball and Socket Club-foot Shoe.

See special instructions at bottom of page 551.

This consists of a cushioned iron cap to receive the heel, the leather covering of which is carried over the instep and ankle, and fastened by lacing. The sole of the shoe is cushioned and laced securely in front of the medio-tarsal articulation. A ball and socket joint connects the sole with the heel. An elevated plate of iron, properly cushioned, makes pressure against the base of first metatarsal bone. Steel bars connect the shoe with strap to go

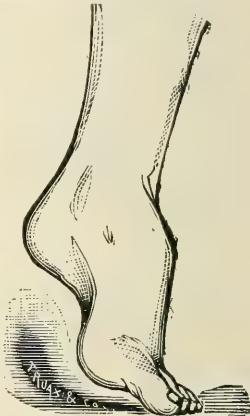


Fig. 704. Talipes Equinus.

around the calf. Joints are opposite the ankle. Stationary hooks are opposite the toes, for attaching the coiled spring muscles. These coiled springs have chains attached and are for the purpose of making flexion and eversion.

This shoe has been made more comfortable and convenient by a slight heel, and by making the upper leather nearly like that of an ordinary shoe, and not so clumsy as the primitive club-foot shoe. The upper leather adapts itself more perfectly by lacing than if arranged with straps and buckles. This shoe as pictured, is arranged for valgus or varus. There is really no essential difference, only observe the principle to apply the artificial muscles in such position as shall supply the place of those paralyzed.

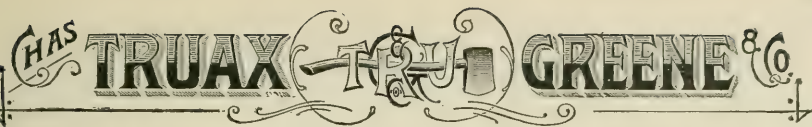


Fig. 709. Talipes Calcaneus.

DIRECTIONS FOR MEASUREMENTS.

As per diagram on page 552.

1. Length of sole of foot (2 to 3).
2. Circumference of calf (D).
3. Circumference of heel and instep (Z).
4. Circumference of ball of foot (A).
5. Circumference above ankle (C).
6. Length from sole to upper part of calf (1 to E).
7. Right or left foot.
8. Talipes—varus or valgus.



DEFORMITY APPARATUS.

Fig. 710. APPARATUS FOR TALIPES CALCANEUS.

Price to patients, of a brace, for one leg only, without shoes.....\$10 00 to \$12 00

Price to patients, of a pair of braces..... 20 00 to 23 00

See special instructions at bottom of page 551.

Fig. 710 shows the same apparatus as Fig. 701, with this difference: Instead of the cord or elastic webbing contracting posteriorly, in Fig. 710 we have a STEEL SPIRAL SPRING, placed on a pivot and playing between brackets of the leg and ankle stem, to depress the front part of the foot by extension. There is not so much danger of falling with this apparatus, when descending stairs, the spurs often used being dispensed with.

DIRECTIONS FOR MEASUREMENTS.

As per diagram on page 552.

1. Patient's name.
2. Patient's weight.
3. Patient's age,
4. Right or left foot.
5. Length from sole to ankle-joint (1 to 16).
6. Length from sole to calf (1 to D).
7. Circumference of calf (D).
8. Does ankle incline in or out.

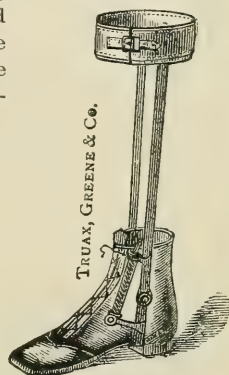


Fig. 710. Apparatus for Talipes Calcaneus.

Fig. 712. IMPROVED CLUB-FOOT SHOE FOR TALIPES VARUS.

Price to patients, of a single shoe, complete.....\$10 00 to 14 00

Price to patients, of a pair of shoes, complete, according to size..... 20 00 to 28 00

See special instructions at bottom of page 551.

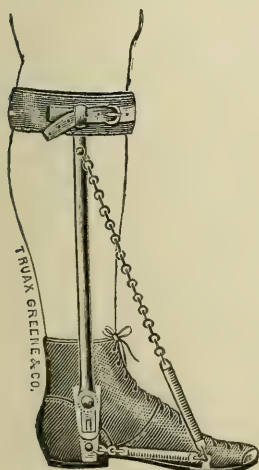


Fig. 712. Improved Club-foot Apparatus for Talipes Varus,

"The sole of this strong leather shoe is of metal, with a joint near the heel, allowing lateral motion, A strong and durable spiral spring, as shown in the cut, draws the foot outward by a constant, elastic and easy traction. This pressure is increased or decreased at will, by fastening the spring in a series of sockets.

"The single outside upright steel bar, with joints at the ankle, is fastened around the limb below the knee-joint, and so constructed that the screw at the ankle-joint forces the foot flat upon the floor, which foot in almost all cases is turned under, as indicated by the sketch. The spiral spring fastened near the toes upon the outside of the foot, elevates the toes and stretches the tendo achillis, thus drawing the foot to its natural position.

"The shoe is well padded, and as there is no metal in the heel-cap, no excoriation is occasioned. The contraction of the leather above the heel prevents the shoe from slipping off (always so difficult to retain in fleshy infants). The straps around the instep depress any undue prominence of the arch of the foot, and within the shoe a broad



DEFORMITY APPARATUS.

and well padded tongue keeps the toes flat upon the sole of the shoe. This apparatus resembles much the regular shoe, and shows no deformed appearance.”

A very simple and light night shoe, to keep the foot in the same position gained by the above shoe during the day-time is of much service,

For TALIPES VALGUS, the same principle, but with reversed action, is applied.

DIRECTIONS FOR MEASUREMENTS.

As per diagram on page 552.



Fig 714. Talipes Valgus.

- 1. Length of foot (2 to 3).
- 2. Circumference of calf (D).
- 3. Circumference of heel and instep (Z).
- 4. Circumference of ball of foot (A).
- 5. Circumference above ankle (C).
- 6. Length from sole to upper part of calf (E)
- 7. Right or left leg.
- 8. Talipes—varus or valgus.

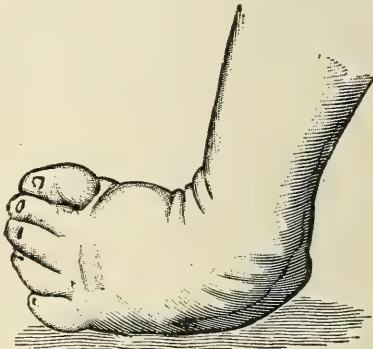


Fig. 712. Talipes Varus

Fig. 715. BITTING'S CLUB-FOOT APPARATUS FOR CLUB FEET IN INFANTS.

Price to patients, for both feet.....\$15 00

See special instructions at bottom of page 551.

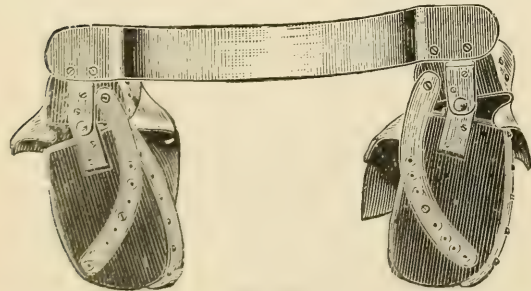


Fig. 715.

This apparatus is made especially for the correcting of club feet in infants. It is used with success without resorting to tenotomy (something very objectionable to parents). We claim for it that if constantly worn, by the time the child would naturally walk it will be cured. It is simple in its construction, and very durable. Any physician can apply it. There is no necessity for taking it off,

either night or day, at the same time giving freedom of the limbs, which is had in no other appliance of this kind, the attendant at any time being able to make any changes the child may require without interfering with apparatus.

Measurements required, same as for Fig. 712.



DEFORMITY APPARATUS.

Fig. 716. DR. CHAS. F. STILLMAN'S NIGHT BRACE FOR CLUB-FOOT.
(TALIPES EQUINUS.)

Price to patients, without shoe, according to size.....Each, \$13 00 to \$18 00
See special instructions at bottom of page 551.

Send very light shoes, or measurements as given on page 552.

Cases of club-foot in all stages are benefited by elastic traction exerted during sleep, as the muscles are then more thoroughly relaxed than during consciousness.

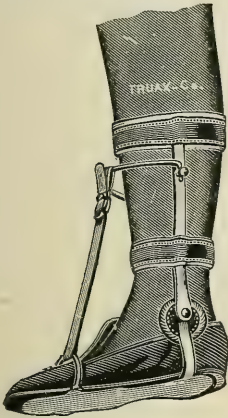


Fig. 716. Stillman's Night Brace for Talipes Equinus.

An effective night brace for this purpose is made by using a soft, *laced* shoe, and attaching to it a pair of vertical side bars, articulated opposite the ankle, and passing under the sole, in the center of which they are pivoted to allow the foot horizontal motion. A thin plate of metal is attached lengthwise to the sole of the shoe and a stirrup of metal passes from this over the foot, opposite the base of the great toe. The side bars are held firmly to the leg by girths, and just below the upper girth a detachable hoop of metal is placed. This is connected to the stirrup by elastic webbing, provided with a buckle. The strength of the elastic force is determined by the strength and length of the webbing, and its traction may be varied by sliding the upper end of the webbing to any desired point on the metal hoop, and fastening it. This makes a very light and very effective brace for the purpose.

APPLICATION.

The hoop is lifted out of its sockets and the foot inserted into the shoe and the girths buckled upon the leg. The hoop is then again placed in position and elastic power varied, as already described.

Measurements required, same as for Fig. 703.

Fig. 716 A. BARWELL'S DRESSING FOR TREATMENT OF CLUB FOOT.

Price, Artificial Muscles...Per foot, \$0 12	Price, Tin Plate, with Loop..Each, \$0 20
" Hooks.....Each, 10	" Wire Eyes....." 10

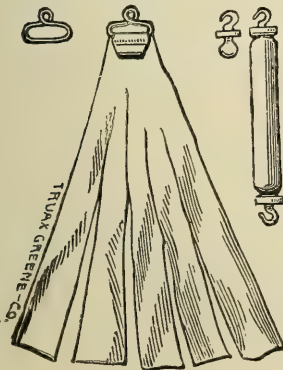


Fig. 716 A

Cases of talipes occur in which muscular rigidity is slight and the deformity may be overcome by treatment with Barwell's dressing, which consists of artificial muscles attached by adhesive strips.

The description and manner of application has so often been given in surgical works that we omit them here.

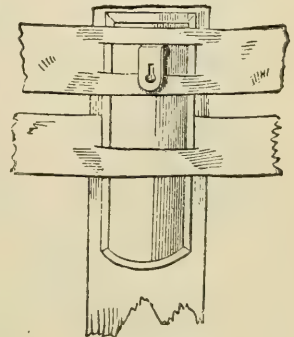


Fig. 716 B

HAS TRUAX GREENE & CO.

DEFORMITY APPARATUS.

Fig. 716 C. DR. A. B. JUDSON'S CLUB FOOT SHOE.

Price to patients.....\$10 00 to \$14 00

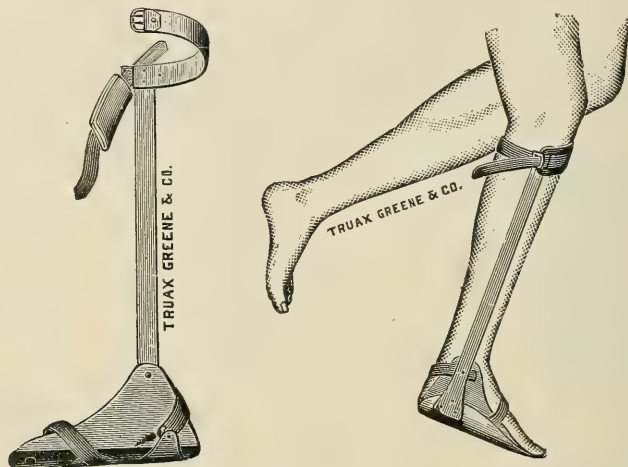


Fig. 716 C.

This brace is made without a joint at the ankle, and is an excellent appliance in the treatment of talipes calcaneus, as well as other forms of foot deformity. The foot is placed in the shoe, and one strap holds the toe down on the sole and from turning inward, and the second holds the heel down from being pushed backwards. It can be worn in the ordinary shoe, which does away with the unsightly appearance of artificial tendons and other conspicuous machinery. The brace relieves the calf muscles from the severe strain which falls upon them in using an appliance jointed at the ankle.

Fig. 716 D. DR. TAYLOR'S CLUB FOOT SHOE.

Price to patients.....Each, \$10 00 to \$12 00

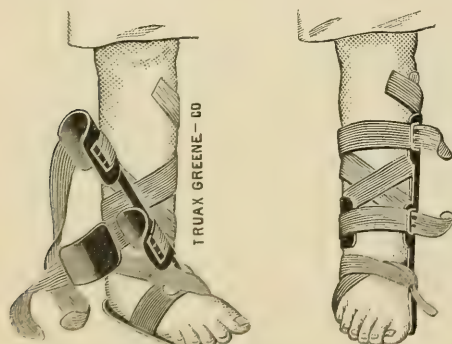


Fig. 716 D.

in the figures, forcing the foot into place. The apparatus is light and can be worn inside the shoe without interfering with locomotion.

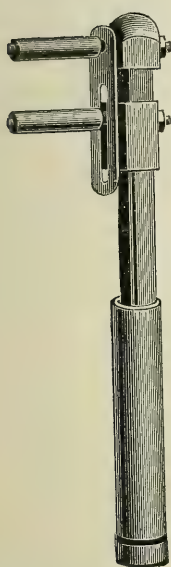
Measurements same as Fig. 712.

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DEFORMITY APPARATUS.

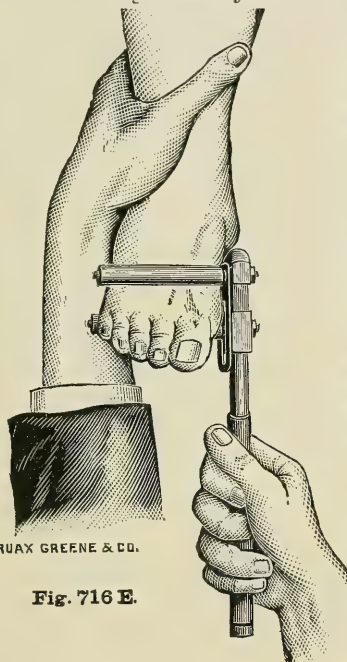
Fig. 716 E. THE THOMAS WRENCH.

[As used by Dr. Ridlon.]



TRUAX GREENE & CO.

Fig. 716 E.



Net price to physicians.....\$8 00

In this form of the wrench the binding parts are straight and covered with an especially thick and soft rubber tubing; and the thread is cut "long" so as to move rapidly, grasp and quickly release the foot, thus avoiding excoriations. The wrench is used for forcible corrections of clubbed feet, either with or without an anæsthetic and either without or supplementary to any of the usual operative procedures looking to the correction of these deformities.

The wrench forms the most convenient osteoclast for the correction of the "goose-neck" deformity, sometimes resulting from a Colles' fracture of the distal end of the radius.

Fig. 716 F. IMPROVED BUNION APPARATUS.

Price to patients, per pair, \$16 00

Fig. 716F shows our new device for correction of deformity caused by bunions. It acts as a lever to draw the great toe into its normal position, the fulcrum being, *not*



Fig. 716 F.

the bunion itself, but a point just back of the great toe joint. The figures nicely show the mechanism. It can be worn in an ordinary shoe. In ordering, send careful tracing of the foot.

CHAS. TRUAX & CO. GREENE & CO.

DEFORMITY APPARATUS.

Fig. 717. BIGG'S APPARATUS FOR BUNIONS.

Price to patients, for one foot.....\$ 8 00 to \$12 00
Price to patients, for both feet..... 16 00 to 24 00

See special instructions at bottom of page 551.

This apparatus consists of a delicate lever of spring steel, with an oval ring in the center, which is provided with hinges at its anterior and posterior margin. The apparatus is attached to the instep by a laced band, and the toe to the extremity of the spring by a piece of webbing. It affords the articulation freedom of motion in the natural plane, whilst the malposition of the toe is gradually rectified by constant lateral traction. It can be worn in a shoe.

DIRECTIONS FOR MEASUREMENTS.

As per diagram on page 552.

1. Place the foot on paper and trace with pencil.
2. Circumference of ball of foot (A).
3. Circumference of heel and instep (Z).

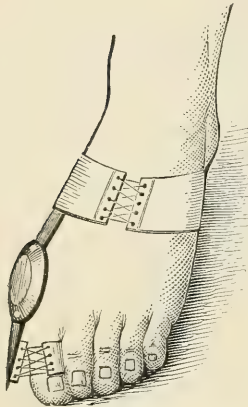


Fig. 717. Bigg's Apparatus for Bunions.

Fig. 719. APPARATUS FOR OVER-RIDING TOES.

Price to patients, for one foot, \$7 00 to \$15 00; both feet, \$14 00 to \$30 00

See special instructions at bottom of page 551.

The apparatus for over-riding, or "hammer toes," consists of a steel sole, arranged with slits corresponding to the spaces between the toes. A strap of webbing is passed through these slits and over the contracted toe (or over each and all, as the case may require), and buckled or tied under the sole, tense enough to straighten the toe. This apparatus is kept in place by a thin silk, linen or cotton covering, laced to the instep, and may be worn in an ordinary shoe.

DIRECTIONS FOR MEASUREMENTS.

As per diagram on page 552.

1. Place the foot on paper and trace with pencil.
2. Circumference of ball of foot (A).
3. Circumference of heel and instep (Z).

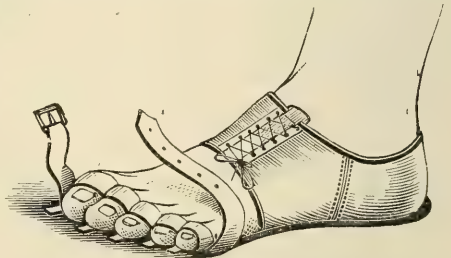


Fig. 719. Apparatus for Over-riding Toes.

Fig. 722. STEEL SOLES FOR FLAT FEET.

Price to patients, without shoe, for one sole, \$2 50. Price for a pair, \$5 00.

See special instructions at bottom of page 551.

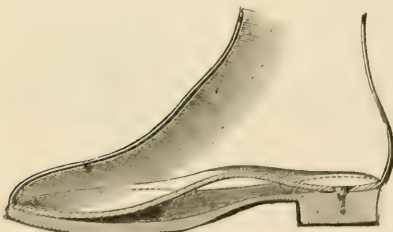


Fig. 722. Steel Soles for Flat Feet.

For flat feet we make a plain steel sole, well tempered, and shaped to approach an ideal arch of a foot. These soles are covered with leather and fastened inside of a common shoe with a single screw. They afford a person afflicted with flat feet immediate relief. They should be thin to yield a little, but strong enough to keep the bones arched. In ordering the steel sole for flat feet, state if they are wanted for right, left, or both feet, and send the shoes or outlines of the soles of the shoes traced on paper.



DEFORMITY APPARATUS.

Fig. 723. DR. ROYAL WHITMAN'S BRACE FOR FLAT FOOT.

Price to patients, for first pair, including cost of iron cast.....\$10 00
 For second pair from same model..... 6 00

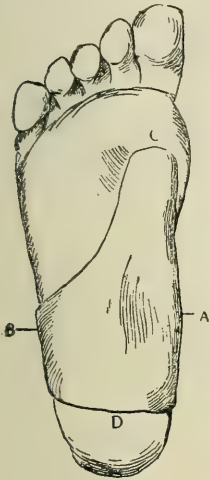


Fig. 723.

This brace is made specially to order, being made on an iron cast of the *corrected* foot, and must fit perfectly. It is nickel-plated and then japanned, and as it fits perfectly, its presence in the shoe cannot be detected. This brace gives a leverage action and lateral support which is not obtainable in any other apparatus. It is advisable for the patient to supply himself with two pairs, so that when the coating cracks off from the effects of perspiration it is immediately re-covered, and the braces thus kept free from rust. The appliance is made from tempered steel, and is not a spring, but is practically unyielding. In ordering these braces it is necessary to send a plaster cast of the foot held in a corrected position. It will be found in some cases

that force will have to be used under ether to accomplish this, after which, the foot is to be held over-corrected, until brace is finished, by re-application of plaster bandages. This brace can be changed from one shoe to another, and can be kept clean and free from rust. It allows the foot to rest upon its natural supports, the heel and the ball of the foot, provides support only to the weak points, and does not in any way restrict normal motion and activity; and it is comfortable, the painful



Fig. 723.

pressure on the sole of the foot, often complained of when simple arched supports are used, being absent.



Fig. 723.

- A. Astragalo-scapoid joint.
- B. Calcaneo-cuboid joint.
- C. Great-toe joint.
- D. Center of the heel.

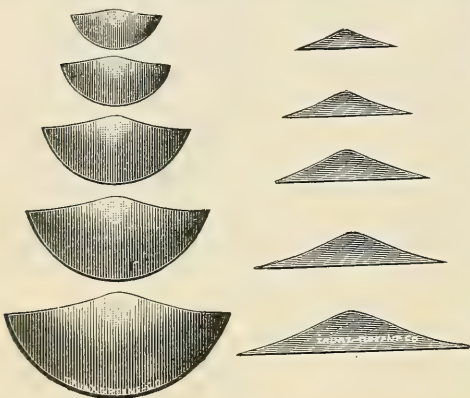


DEFORMITY APPARATUS.

Fig. 723 A. SOFT RUBBER PADS FOR CORRECTING FLAT-FOOT.

Price to patients, for set of five.....\$2 00

These pads, as shown in the accompanying figures, are made of soft rubber, and are to be worn inside the shoe. When beginning treatment the patient uses the



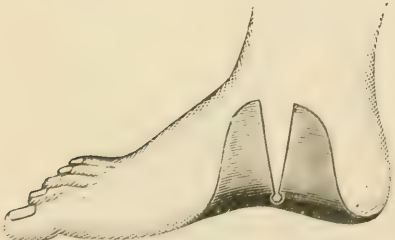
smallest one, which, being perfectly pliable adjusts itself to the arch of the shank of the shoe, and forms an arch under the foot which will perfectly conform to the normal shape, and after accustoming the foot to the small one the next in size is substituted and so on through, until the largest is reached, which is to be worn until the natural arch is restored and a cure effected. They can be worn in any shoe, and changed from one to another.

Fig. 723A.

Fig. 723 B. IMPROVED SPLAY FOOT BRACE.

Price to patients, including cost of iron cast.....Each, \$9 00

The figure shows the brace without the padding; an appliance which we make for cases of flat foot. It is made of tempered spring steel, upon an iron cast of the corrected foot, and yields slightly under the patient's weight. The sole extends from the posterior border of the heel to the edge of the ball of the foot. The inner



portion is divided as is shown, and turned up at the side to reach to the internal malleolus, and is padded so as to exert a pressure at that part of the foot. It is nickel plated and then japanned, and is worn in an ordinary shoe. It is intended to restore and maintain the broken arch of the foot, and meets the indications admirably. In ordering, send a plaster mould of the foot in as nearly a corrected position as possible.

Fig. 723 B.



DEFORMITY APPARATUS.

Fig. 724. OCHSNER'S STEEL SOLE FOR FLAT FEET.

Price to patients, without shoe, for one foot.....\$9 00
See special instructions at bottom of page 551.

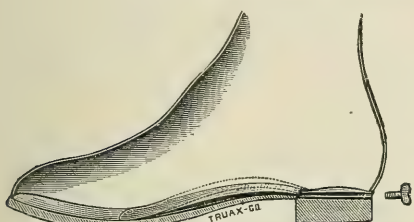


Fig. 724. Ochsner's Steel Sole for Flat Feet.

This sole consists of a double steel sole so arranged that the height of the convexity of the upper one may be regulated at will. A screw terminating in a square head is turned with a key, so that the shape of the upper sole may be regulated to meet the changing demands of patients. Send shoes that are one or two sizes too wide, so they will accommodate the extra space necessary for the double sole.

Fig. 726. EXTENSION FOR A SHORT LEG.

Price of brace, to patients, without shoe.....\$9 00
See special instructions at bottom of page 551.

For a short leg, the result of infantile paralysis, when the bones have not kept pace in growth with those of the corresponding extremity, we make an extension to correct the patient's limp, and to guard against the danger of spinal curvature. The apparatus consists of a steel frame of proper height, securely fastened under a plain shoe. The steel base has a leather sole attached, to avoid noise when walking on pavements, stone or wooden floors, and to prevent falling on slippery ground. These extensions are light and comfortable.



Fig. 726. Steel Extension for Short Leg.

DIRECTIONS FOR MEASUREMENTS.

Have the patient (both feet bare) stand up, place books or blocks of wood under the short leg until the shoulders and pelvis are in a horizontal plane, then measure these books or blocks, which will be the height required for extension. Send us a well-fitting shoe. State whether for right or left leg.



Fig. 728. CORK OR WOOD EXTENSION FOR SHORTENED LIMBS.

Price, to patients: Wood extension, made from best English willow, patient to furnish shoe..\$ 5 00
Cork extension, leather covered, patient to furnish shoe..... 10 00

Shoes charged extra, according to quality.

See special instructions at bottom of page 551

DIRECTIONS FOR MEASUREMENTS.

Have patient stand erect with both feet bare. Place two piles of blocks or books, one under the heel, and the other under the ball of the foot, building them up until the weight of the patient is evenly distributed, and the pelvis and shoulders are on a horizontal plane. Measure these two piles and forward result to us.

Fig. 728 Cork or Wood Extension. Send a well fitting shoe.



DEFORMITY APPARATUS.

Fig. 730. IMPROVED APPARATUS FOR EXTENSION OF SHORTENED LIMBS.

Price to patients.....\$20 00 to \$25 00

See special instructions at bottom of page 551.

We take pleasure in calling the attention of the medical profession and others to this appliance for the extension of shortened limbs.

Its principal advantage is in that it enables the wearer to stand firmly on his feet, as the weight of the body is equally distributed to both limbs. It also removes all appearance of deformity, both legs being of the same length and both feet the same size, and in cases where there is no ankylosis at the hip-joint, there is very little "limp." This apparatus is preferable to the ordinary form of iron stirrup and cork-soled shoe.



Fig. 730.



Fig. 731.

By referring to the illustration marked Fig. 730, will be seen the manner in which the extension is attached to the foot, a sectional view of which is shown.

The ball of the foot and the heel rest on the surface of the extension, while the toe is held in place by means of a heavy leather upper fitted over it, the whole being shaped accurately to the bottom of the foot. A spiral spring in the toe of the extension admits of normal action in walking. The material used in its construction is a light and tough wood, covered with rawhide, in order to further strengthen it.

Fig. 731 shows the foot laced to the extension. The leather used is of the best quality, very strong and pliable, the dotted line showing the outline of the foot; over this the stocking is drawn, obviating the appearance of deformity when the trousers are drawn up, which frequently occurs in the sitting posture.

In cases of this character the tendo achillis is frequently contracted. In such instances the foot naturally takes the position shown in the first illustration, where, however, there is but little shortening of the tendon; the foot quickly becomes accustomed to the position.



DEFORMITY APPARATUS.

Fig. 732 shows the extension encased in a walking shoe, and, as can be readily seen, the shoe does not differ in construction from the one worn on the normal foot, it not even being necessary that they be made to order, as the extension is formed to accurately correspond in size and shape to the normal foot. The projection backward given by the heel is covered by the trousers, as shown by Fig. 733, so that no deformity is noticeable.



Fig. 732.



Fig 733.

NORMAL FOOT.

Give full particulars of case, cause of shortening, whether there is anchylosis at ankle, knee, or hip, and any other information concerning case. Send tracings of both feet standing in stockings, and the shoe which is to be worn on the extension.

Length of foot.

Circumference of ball.

Circumference of instep.

Circumference of heel and instep.

SHORTENED FOOT.

Amount of shortening, measuring from bottom of heel to floor, standing erect in stocking feet, or build up with books.

Length of foot.

Circumference of ball.

Circumference of instep.

Circumference of heel and instep.

Circumference below ankle.

Circumference above ankle.

Measure over medium weight stocking.

Where the measurements are taken by us, we guarantee a perfect fit; when sent, we only contract to accurately carry out the measurements given. So physicians and patients must be particular in taking them.



DEFORMITY APPARATUS.

Fig. 734.—DR. McCURDY'S ELASTIC TRACTION WRIST BRACE FOR THE TREATMENT OF SYNOVITIS.

Price to patients, according to size\$5 00

See special instructions on page 551.

The principle of elastic traction with fixation in the treatment of all forms of synovitis, adjusted so as to relieve inter-articular pressure has undoubted value.

I find it best to make the braces of round iron or steel wire, instead of flat steel. Round material causes less friction and hence increases the extension powers of the brace.

The braces are made of a double system of wires, the distal ends being the fixed points, and the proximal end being held parallel with its fellow by being bent around it. The hooks which serve as the traction points are fastened to the distal ends of the wires.

An ordinary pocket book rubber is thrown around the hooks, which brings the proximal ends closer together and hence increases the distance between the distal ends, which are the fixed points. As in the case of the knee, it will be seen that the amount of traction made upon that joint is only limited by the number or size of the rubber elastics thrown around the hooks. The amount of traction can only be determined by the comfort of the patient.

The wrist brace is made of two pieces of wire, bent so as to make an incomplete ring around the hand at the knuckles and around the forearm about two inches below the elbow. The openings are on the anterior surface of the hand and forearm. The rings, being made of malleable material, can be opened and adjusted to the arm and hand, and adapted snugly to the parts.

The rings are secured to the forearm and hand by the use of adhesive plaster, extending from the forearm down to within one inch of the wrist, and from the ring at the knuckles up to within one-half inch of the joint.

The same principle can be applied to the treatment of synovitis of any other joint, as the shoulder, or phalanges.

S. L. McCURDY, M. D.

Dennison, O.

Prof. Orthopedic and Clinical Surgery Ohio Medical University.

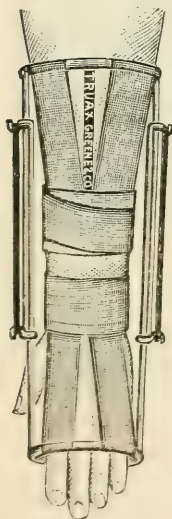


Fig. 734.

DIRECTIONS FOR MEASUREMENTS.

As per diagram on page 552.

1. Name, age and sex of patient.
2. Right or left wrist.
3. Length from middle of fingers to middle of forearm.
4. Circumference of middle forearm.
5. Circumference of hand in front of thumb.



ARTIFICIAL LIMBS.

EXTRACTS FROM A PAPER

BY

CHARLES TRUAX,

CHICAGO. U. S. A.

*Read before the National Association of Railway Surgeons at
Buffalo, New York, May 1st, 1891.**

Subject: Amputations in the Light of Prosthetical Science.

"Within a comparatively short space of time prothetical science has advanced to that state of perfection where, with but few exceptions, if the surgeon leaves a patient who is a cripple as the result of an amputation of one or both of the lower extremities, it is because he has either operated in an unskillful manner or selected his point of amputation without regard for the mechanism necessary in the construction of a properly fitting compensative appliance."

"I therefore hold it to be the duty of the surgeons to come to a full understanding of the relations between the stumps remaining after amputations and the appliances likely to be worn upon them, for, while it is a fearful thing to lose a limb, it is much more fearful to be rendered a life-long cripple and suffer the necessary discomforts and inconveniences because of the lack of proper judgment on the part of the operator."

"The requirements of a good stump are, sufficient length to provide leverage with which to swing an artificial limb, proper covering for the end of the bone (not too thick, however), cicatrix underneath and to one side (preferably posterior), and in shape like a gradually decreasing cone, with a well rounded outline and free from uneven surfaces. If for locomotion, *it must conform in length to the necessary mechanism of an artificial limb and possess the firmness to bear the contact with the socket, that both the natural and artificial parts may move and be operated as one.* These principles are of vital importance, and a lack of a proper understanding of them has caused many an otherwise brilliant surgeon to leave an occasional patient unnecessarily crippled."

"After an amputation has been decided upon,—whether for the purpose of prolonging life from impending danger, to remove a cause of suffering, or to relieve a source of inconvenience, it matters not—the first thing essential is to *select that point for the operation that will afford the greatest possible use of the stump to the patient.* This is the new axiom, which I wish to see substituted for the old one, the so-called 'golden rule.'"

"In a stump for prehensile purposes as many articulations should be preserved as possible, remembering that a single finger, or even a portion of one, is of far greater

(*A complete copy of this paper will be mailed on application.)



ARTIFICIAL LIMBS.

value to the patient than a whole artificial hand. In operations in the hand, the surgeon would be justified in assuming the risks of a secondary operations, providing there is a reasonable chance in so doing of saving an additional part of this most valuable member."

"In amputations of the hip and middle and upper third of the femur, the old Golden Rule should be strictly adhered to and every inch of bone that can properly be covered should be saved. The weight, in these cases, is borne by the cone shape of the stump and by pressure on the ischio-perineal region."

"Judged from a mechanical standpoint, the ideal knee operation and point of selection would be *three inches above the joint*. This affords the patient every advantage gained in an operation in the contiguity of the limb, while it permits the use of a substitute that will seldom be out of order and practically cost nothing to keep in repair."

"In making amputations in the continuity of the tibia, the point of selection should be at the junction of the lower and middle thirds. This leaves space enough underneath the end of the stump for the placing of joints of the most approved pattern, gives a stump of ample length to provide sufficient leverage to enable the patient to easily swing a substitute, besides leaving the calf in a cone shape, that it may be made to assist the head of the tibia in supporting and carrying the weight of the body."

"The tibia of an adult, as before stated, should not be amputated at a point less than three inches from its upper articular surface, because such a stump will usually flex under the influence of the stronger muscles and become only a hindrance."

"In operations upon the foot in and above the metatarsal-phalangeal articulation, my own experience, strengthened by an opinion formed as the result of several months of careful study and thorough research, emboldens me to *advise the complete abandonment of every tarsal and tibio-tarsal amputation*."

"A study of the physiology of locomotion will, I think, fully demonstrate that the foot, in such cases, besides having lost its elasticity and being deprived of all, or nearly all, of its power of flexion, is so shortened that when in an active state at the time when its limb is inclined obliquely backward, it cannot be used as the lever or main propelling power by which the body is advanced to a position perpendicularly over the forward limb. The weight, power and fulcrum remain; but as the utility of the two latter depends entirely on the existence of the lever, of what use are they when this lever is removed?"

"After a careful study of results obtained in fitting limbs after tarsal amputations, I have come to the conclusion that, as a general rule, between the junction of the lower and middle thirds of the tibia, and the tarsal-metatarsal articulation, *every additional inch saved to the patient is an additional cause of inconvenience and annoyance*, because it is that much more of an obstacle in the way of the construction of the best form of artificial substitute."

"To briefly summarize them, we may adopt the following as our guide: *Avoid amputating within three inches of the knee-joint. Do not amputate between the metatarsal bones and the junction of the lower and middle thirds of the tibia. At all other points save all you can and you will, in every case, have done the best for your patients.*"

The illustrations shown on this and the following page were made from photographs of Andrew McIlquham, who, at the time of this writing, is living at 6859

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ARTIFICIAL LIMBS.

South Halsted street, Chicago. A brief history of this case is given in an article entitled "Amputations in the Light of Prosthetic Science," read by Mr. Charles Truax before the National Association of Railway Surgeons at Buffalo N. Y., May 1st, 1891, an extract from which is as follows:



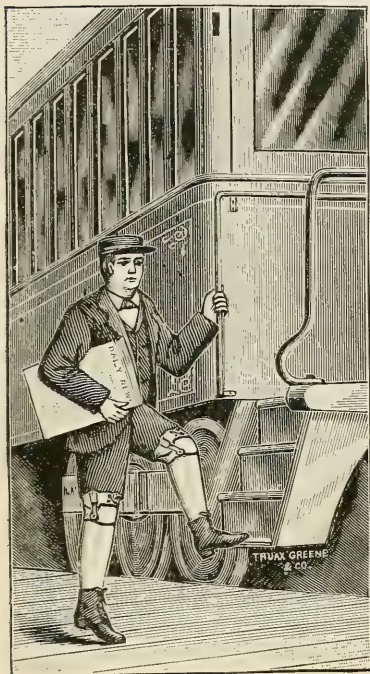
"The patient before you is one of double amputation of the tibiae. The operations, the result of a railroad injury, were performed in July, 1888. Being of poor parents, his only means of locomotion for about a year was his knees, assisted by his hands, which will account for his stooping posture. Mr. P. D. Armour, of Chicago, seeing him at a mission Sunday-school, took pity on him and ordered me to make him a single artificial limb, which I did. Seeing the boy again about one year afterward and finding him worthy after due inquiry, he instructed me to make him a second limb with the results as here shown.

"I selected this patient from quite a number of similar ones that I could have brought, because his stumps show a combination difficult to fit with what might be called first-class appliances. One limb has been amputated two and one-half inches below the knee, while the other was removed just above the ankle, presenting, in the one case, the two extremes in tibial operations—a very long and a very short stump.

"Notwithstanding the facts that his stumps were allowed to remain unused for so long a time that there has been contraction in both, that for fifteen months he hobbled about on a single artificial leg and consequently was constantly in a strained or unnatural position, that his stumps will not admit of the construction of as good limbs as if removed at the points of selection, and that he has only been walking on both of them for five months, he can still out-walk any patient with a double tarsal operation of whom I have any knowledge. He can not only walk two miles without a cane, but he is on his feet as a cash boy nine hours a day. He has worked as a delivery boy, carrying packages about Chicago, and he can do, and does do, most anything that other boys do. His short stump, for reasons given above, prevents him from running up stairs, because, when this limb is forward and on a higher plane than the long stump, there is not leverage enough to enable him to raise himself to the necessary height. He is only one

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Usually men are not accepted for train service who wear one artificial limb, and we have never before heard of a case where the man has been able to secure and hold such a position who was afflicted with the results of a double amputation.

We take pleasure in referring any who are interested to Mr. McIlquham, believing that the service that we have rendered him is of an exceptionally high character.

In treating cases following amputations, we employ none but the best of workmen, assuring our customers that it is our wish to place each in possession of the best possible appliance that can be constructed for his case.

CHARLES TRUAX, GREENE & CO.

of quite a number of double amputations above the ankle joint that I can produce, all of whom walk without either cane or crutch, the statement of my esteemed friend to the contrary notwithstanding."

At this time, Andrew McIlquham is a newsboy on the Big Four R. R., running in and out of Chicago daily. Although suffering from a double amputation of both tibiae, the fact that he is able to hold a position of this character is one of the strongest arguments in favor of the quality of our work in this department that we can offer.





ARTIFICIAL LIMBS.



KATIE SMITH.

THE CHILDREN'S HOME SOCIETY.

ROOMS 41 & 42, 230 LA SALLE ST., CHICAGO.

HON. JOHN WOODBRIDGE,
President.

REV. M. V. B. VANARSDALE,
General Superintendent.

HON. LYMAN J. GAGE, Pres. 1st Nat'l Bank,
First Vice-president.

REV. FRANK M. GREGG, D. D.,
Assistant General Supt.

EDWARD F. LAWRENCE, Treasurer.

This reputable and well-known society which, in less than ten years, has placed 2,700 children in good family homes and is organized in twelve States, through its Assistant General Superintendent, the Rev. Dr. Gregg, who has been the special friend of the unfortunate but talented little girl, Katie Smith, sent the following statement to Messrs. Charles Truax, Greene & Co., Dec. 27, 1892:

The subject of this sketch, born Oct. 29, 1882, was found by one of her two little brothers at their home, 548 Park avenue, Chicago, Nov. 18, 1891, with her hands and arms so badly burned on a red-hot cook stove as to require the immediate amputation of both arms near the shoulders, which was done in the Cook County hospital. Her mother having died Oct. 3, 1891, and her father being very poor, little Katie was brought at once to a point of extreme poverty and helplessness. The Children's Home Society having previously ministered to the family, and especially by placing her little sister in an excellent family home, offered to take Katie and provide for her



ARTIFICIAL LIMBS.

maintenance and education, her father legally surrendering her to the custody of the society. Dr. Gregg while engaged in raising a fund for her support, called upon Messrs. Truax, Greene & Co. for a contribution, and they generously responded by offering to provide her with aluminum arms to be of a special design. The members of the firm gave the construction of these arms their personal attention, and, although the stumps remaining after the amputations were only $3\frac{1}{2}$ inches long, yet, by ingenious and original devices, they succeeded in securing the most gratifying results, especially in enabling her to feed herself. Inside of her hands, which are taken off by pressing a spring, are a fork and spoon, which, when turned at right angles, she can use in eating very satisfactorily. Her first trial was on a plate of ice cream and it soon met with the usual fate. The food prepared for her finds its way to her pretty mouth with facility and ease of motion.



Having a talent for elocution, she is able to use her arms in gesturing, while on the street she walks and carries herself in such a way as to attract favorable attention. These arms, so light and graceful, have served to revive her spirit and to make her cheerful and happy, and, through them and her talent for both elocution and vocal music, she promises to be a useful woman, a credit to her family and an honor to the "Children's Home Society." She is pursuing her studies successfully in school, the following being a fac-simile of her handwriting furnished in her second letter (she is ten years of age), the first having been written the same day to Dr. Gregg, thanking him for a song written for and dedicated to her, which she sings very prettily. These songs are offered for sale by the society at twenty-five cents a copy, with her portrait and a fac-simile of her first letter, for the benefit of homeless children.



ARTIFICIAL LIMBS.

Her second letter, written to Messrs. Truax, Greene & Co., we reproduce here :

6516 Perry Ave.

Englewood Ill., Dec. 25, 1892.

My dear Mr. Truax:-

I thank
you for what you have
done for me.

I enclose this
note with my artificial right
hand.

Katie Smith

The Children's Home Society takes pleasure in uniting with Katie in her expression of gratitude to Messrs. Truax, Greene & Co. for their generous gift of arms so skillfully made and ingeniously applied as to enable this unfortunate but gifted child to live a useful and happy life.

FRANK M. GREGG, D. D.

Early in the spring of 1892 we were called upon by a representative of the Children's Aid Society, who solicited from us a contribution for the purpose of adding to a trust fund, the proceeds of which were to be devoted to the care and education of the Katie Smith above referred to. Having knowledge of her helpless condition, instead of making a cash donation we volunteered to construct for her a pair of aluminium artificial arms and hands. Our offer was accepted and the matter was taken in hand by one of the principal officers of our company, who gave it his personal attention, employing the greatest amount of skill that could be brought to bear upon the case. Moulds of the hands and arms of a child the proper size were first

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ARTIFICIAL LIMBS.

made and from them, with the assistance of an Italian artist, casts were secured that were not only of the proper size but were life-like in appearance. From them castings were made in hard brass and these used as forms over which the aluminum was swaged and turned. Various plans were tried and rejected, and it required several months of experimenting before a method was devised that furnished the necessary assistance. The difficulties encountered will be appreciated when it is understood that the stumps remaining after the amputations of the arms were each but $3\frac{1}{2}$ inches in length. To construct arms that would be useful seemed at first a mechanical impossibility, but so carefully were the laws of prothetical science studied that the child has found them not only exceedingly useful, but quite ornamental.

These facts, however, are so plainly set forth in the statement made by Dr. Gregg that it is not necessary to repeat them here.

Mechanically speaking, the arms and hands are constructed from thin sheets of aluminum. They have all the articulations excepting that of the wrist of the natural hand. The fingers are controlled by springs, each moving separately. The hands and lower halves of the forearms are removable at a point midway between the wrist and elbow. A fork and spoon, one upon either arm, are at

to the upper halves of the forearms in such a manner that when the two parts are joined together the fork and spoon are concealed in the wrists, which, as before intimated, are hollow. The fork and spoon, being jointed, can each be turned so that they will point in a right angle with the line of the forearm, thus rendering it possible for the child to utilize them in eating.

The child manifests great ingenuity in handling articles, in managing her books, and is able to perform for herself many acts and movements that, without these arms, would necessarily have to be performed by others.

We refer those of our customers who require artificial appliances for their patients to the parties who have this child in charge, assuring them that we will take pleasure in giving the same care and attention to any patients that may be placed in our hands.

CHARLES TRUAX, GREENE & Co.





ARTIFICIAL LIMBS.

TESTIMONIALS.

Although we have been engaged in the manufacture of compensative and deformity apparatus for many years, and have received hundreds of letters bearing testimony to the merits of our appliances, yet we have refrained from publishing them, believing that our general reputation for producing only the best in all departments of our business, was sufficient to warrant us in expecting the support of all who became acquainted with us. The copy of a photograph here given probably represents the most difficult case we have ever undertaken to assist, and as our success is given in the language of the patient, and written by himself, we cannot refrain from giving his letter in full, as well as a brief description of his remarkable case.



The opposite engraving is from a photograph of John Langfeldt, of Rock Rapids, Iowa, who lost both hands and both feet in the great blizzard of Jan. 12-13, 1888.

He was fitted with both hands and feet in September, 1888, when he came to Chicago with an attendant, utterly unable to do anything for himself—had to be carried from a carriage into our store. Within an hour after completing the feet he walked to his hotel several blocks distant, and thereafter walked all about the city. Within a few minutes after fitting his hands he took a pencil and wrote his own name quite plainly.

We heard from him in December, '88, stating that he had been driving a team and plowing all fall.

In January, '89, he sent us a photograph of himself (engraving opposite) and wrote us the following letter with an artificial hand.

ROCK RAPIDS, Jan. 17th, 1889.

DEAR SIR: I am going to try to write you a letter and let you know how I am getting along with the artificial limbs and arms.

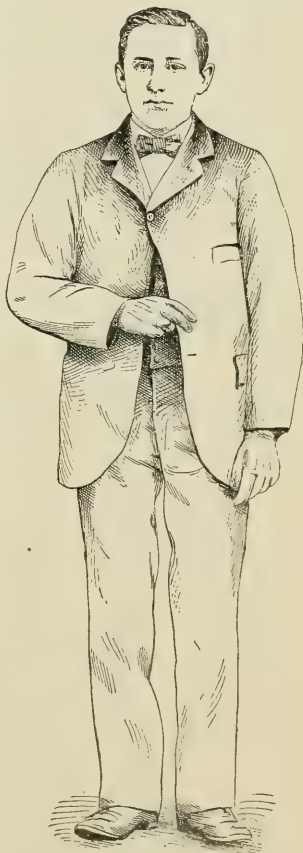
I can walk all day long without any help, and I can walk up and downstairs without any help, I can feed myself pretty good, and I can write pretty good with the artificial hands.

I can do not much work with the hands, but I can write pretty good with the hands, but I can do most any kind of work with the hooks.

Your truly friend, JOHN LANGFELDT.

We can also refer to hundreds of others as to the excellence of our work and the accuracy of our fitting.

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ARTIFICIAL LIMBS. OUR IMPROVED ARTIFICIAL LEGS.

There is no department in the manufacture of surgical appliances requiring so much skill and science as that of making artificial limbs; and while it is impossible to manufacture those that are equal to the natural ones, yet so far has science advanced in this direction that we can now offer to the maimed, artificial legs that not only possess a natural motion combined with ease and comfort in walking, but a degree of strength, elasticity and lightness never before attained. We can give to the wearer not only a reasonably graceful step, but a perfect form, and a leg that for reliance, stability, firmness and durability has no superior.

As our leg is constructed upon new and improved designs that commend themselves to all who have examined it, we have named it the "Improved Artificial Leg," and though we believe it to be the best one in the market, and consequently prefer to make it to any other, yet we are prepared to manufacture almost any other style of leg that our patrons may select, realizing, as we do, that it is the purchaser who is to wear it, and that to please him must be our chief aim.

Our legs are made from the very best of stock, and are fully warranted for five years, and should they break or wear out inside of that time on account of poor material or inferior workmanship, we will repair them free of charge.

Fig. 1 shows an exterior view of our "Improved Artificial Leg," when made for an amputation at the thigh. As will be seen by the cut, the leg is graceful in form and the joints fit closely together, so that the clothing is not in danger of being drawn into

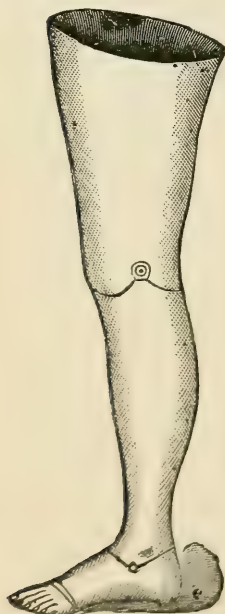


Fig. 1. Showing an Artificial Limb for an Amputation above the Knee.

it and cut, when bending the knee, as is often the case with poorly constructed ones. The upper portion of the thigh socket is shaped and fitted to the stump so accurately that we obtain a bearing upon all sides alike, thus distributing the weight of the body over so large a surface that it produces no pain or discomfort to the wearer. We employ the same principle in supporting the weight of the body as would be used by one who would with both hands firmly grasp the limb of a friend below the calf, and attempt to raise him from the floor. And as this could be accomplished, with the requisite amount of strength, without causing the person being lifted the least amount of pain, so we can support the weight of the body with our thigh socket without having any of it come upon the end of the stump.

In cases where the end of the stump is very tender, we enlarge the inner diameter of the leg so that it does not even touch the tender portion, or if it is firm enough to carry a portion of the weight, we divide it proportionally between the end and sides of the stump, in every case adopting the plan which is best adapted to the ease and comfort of the wearer.

The upper rim of our thigh socket is made quite thin, so that we avoid producing the unsightly looking ridge at this point that is so commonly seen on those wearing the ordinary legs, and in order to prevent this thin rim from splitting we bind it firmly with an extra thickness of heavy raw-hide.

Our legs are all made from thoroughly seasoned English willow, as this has been found to possess great strength, combined with lightness

DIRECTIONS FOR MEASUREMENTS ON PAGE 657.



ARTIFICIAL LIMBS.

and durability. In order to give our legs additional strength, and to prevent their splitting or being damaged by water, we cover them with calfskin raw-hide, so tightly and neatly drawn on as to resemble the natural limb. This raw-hide is then covered with a flesh-colored water-proof cement, which forms a hard, glossy surface, so they can be wiped off with a damp cloth without injury to the leg.

Our artificial limbs are noted for their great strength when compared with their weight, for our best limbs will easily sustain a weight of from 400 to 500 pounds, and yet when finished they weigh only from four to five and one-half pounds each.

Fig. 2 shows the internal mechanism of our "Improved Artificial Legs." D and H show the knee and calf-bars, to which are attached the knee cord G and the ankle cord I. These cords are employed to keep the leg in proper position when standing straight. By means of the little nuts at D and K, the joints may be tightened so that all looseness may be taken up from time to time and the tendency to rattle or clatter avoided. L L L represent three coiled wire springs that are covered with buckskin to prevent squeaking. The two on either side of the ankle-joint impart a natural and elastic motion to the ankle, no matter whether the foot be turned up or down. The lower one of these three springs serves to bring the toes back to a natural position after they have been bent upwards either in stepping on the toe or an uneven surface. These springs serve largely in giving our legs the elasticity which is making them so popular. In Fig. 2 we have shown the ball of the foot resting on a block of wood, and which illustrates with what ease one can pass over uneven surfaces when wearing one of our legs. By our arrangement of the cords and springs, the leg can be moved backwards or forwards on the ankle-joint, while the foot remains flat upon the floor. This movement enables the foot to accommodate itself to any position it may be placed in when walking, whether going up or down grade or over uneven surfaces. With the ordinary legs in the market, if the wearer step on such a block as shown in our Fig. 2, with the forward part of the foot, as soon as the weight of the body is thrown forward and upon this leg, the ankle does not prove elastic enough, and the heel must be raised from off the ground in order to pass over the obstacle. This necessarily raises the entire body, causing him to

Fig. 2. Showing the Internal Mechanism of an Artificial Limb for an Amputation above the Knee.

"limp" badly, and thus cramping him severely at the thigh and straining the leg. With our new improvements we avoid much of the limping (or hitching as it is often

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HAS TRUAX & GREENE & CO.

ARTIFICIAL LIMBS.

called) that is so noticeable in those wearing the common legs, and which is caused by an absence of sufficient elasticity in the ankle joint, and by the cords holding the leg too far back, thus cramping the knee and thigh of the artificial leg when the forward step is made with the sound one.

Both our ankle and knee joints are so constructed that we avoid the clanking,

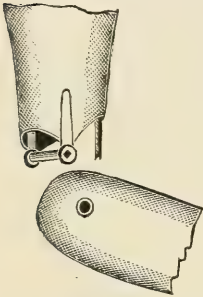


Fig. 3.

creaking noises caused by walking with legs of many other makes. In fact, our legs are so nearly noiseless in their action, whether with or without our rubber feet, that the step made with them cannot from its sound be distinguished from a sound or natural limb.

Fig. 3 shows our knee-joint when disconnected. The bearing used in this joint consists of a hollow steel cylinder or barrel, which presents so much surface upon which to distribute the friction that it will stand years of wear with only an occasional bushing.

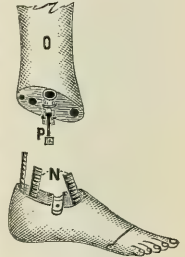


Fig. 4.

Fig. 4 shows our ankle-joint disconnected, and the two springs by means of which the foot can be flexed and then returned to its natural position.

Fig. 5 is a view of the device used in connecting the foot to the leg and forming the ankle joint. It consists of a cylindrical journal made of steel, turned and polished perfectly smooth. On the outer surface there are two

flanges, which are fitted into two corresponding grooves on each side of the joint, and which keep the foot and leg in their relative positions laterally. The upright bolts are used to fasten it to the leg, while the lower one passes through the foot and is fastened below with a nut.

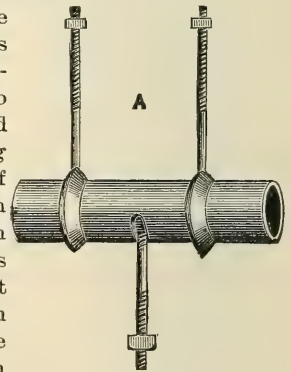


Fig. 5.

Fig. 6 shows this same device, cut through in half from end to end. C shows the brass barrel joint, which forms the head of the lower bolt and which allows to the leg its motion. By tightening or loosening this lower nut the amount of play given the joint can be easily regulated. By covering

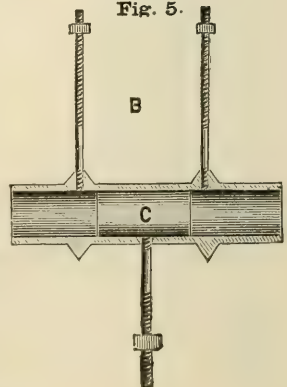


Fig. 6.



Fig. 7. Showing our Artificial Limb for an Amputation below the Knee.

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ARTIFICIAL LIMBS.

the bottom of the foot with pure soft sponge rubber, we avoid the hard sound usually made by those wearing the old style legs.

Fig. 7 shows our "Improved Artificial Leg" for a case where the amputation has been made below the knee. The lower part of this leg is made and fitted in the same manner as our full length leg described on page 644, and differs only in the

thigh piece and knee joint. The thigh piece of this leg consists of a leather socket or lacer that is fitted tightly to the limb, so as to carry a portion of the weight of the body and thus partially relieve the stump and knee-joint. This leather lacer we now make with a new fastener, consisting of a stout cord passing over a series of hooks, by which means the leg may be put on in the dark, and laced up in one-fourth the time required to adjust one of the old style ones where eyelets are used. This may often prove to be of great advantage, as people are often called up in the night unexpectedly, and in a case of fire these few minutes saved might be of great value.

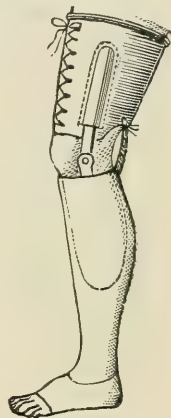


Fig. 8. Showing Artificial Leg for Child.

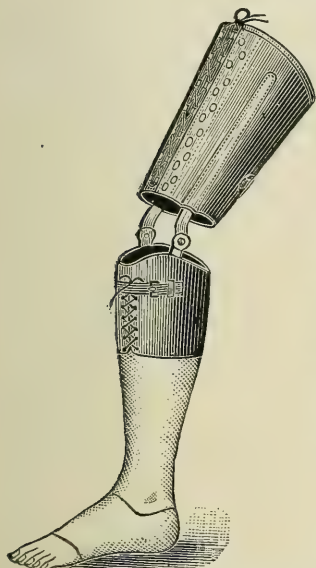


Fig. 9. Showing Artificial Leg with Leather Socket.

Fig. 8 shows our best artificial leg as manufactured for children when the amputation is below the knee. They are similar in construction to Fig. 7, and can be made with or without ankle joint.

Fig. 9 shows a limb for an amputation below the knee for patients who have very tender stumps, and who find themselves unable to wear a wooden socket with comfort. We do not consider this pattern as desirable as Fig. 7, and only recommend it in special cases where the other fails.

Fig. 10 shows our improved "crow-foot" knee joint, which has proven to be superior, both in shape and durability, to any other style yet devised. In order to obtain a bearing over as large a surface as possible, we have divided the lower portion of this joint into three forks, the two outside ones of which are bent at an angle oblique enough to nearly encircle the socket (there being one of these forked joints on each side of the leg). This serves to give the socket additional strength, as the rivets do not tend to check and split the wood as is the case when the common straight bar running down the sides is used, which has the rivets all in a line parallel with the grain of the wood. This is an important feature in selecting a leg, as the tendency of all common legs is to split and become loose where this

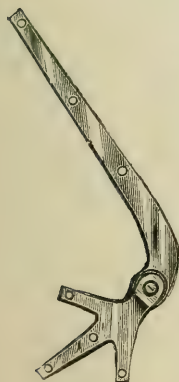


Fig. 10.

bar is fastened to the wood. By examining Fig. 7, the eye of the joint will be seen to sit down flush with the top of the socket, and as the upper part of the joint irons



ARTIFICIAL LIMBS.

are curved to fit the shape of the knee joint perfectly there is no disfiguration of the leg, and the clothing sits quite smoothly over them scarcely showing the presence of this joint. This curve also gives plenty of room to admit of flexing the limb backwards when sitting down, and will neither cramp nor cut the clothing under the knee. Those who have worn artificial legs will readily appreciate the advantages offered by our curved knee joint. We use the best of steel in making this joint, and carefully case-harden it at the eye, and the whole is finely polished and plated.



Fig. 12.

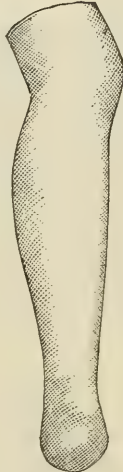


Fig. 13.

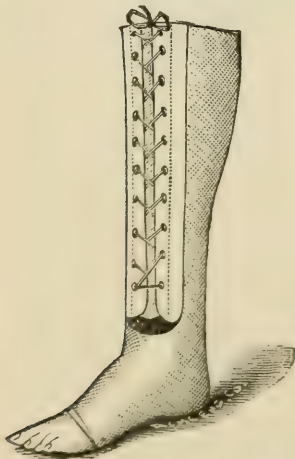


Fig. 14. Showing our Artificial Leg for Ankle Amputations.

Fig. 11 shows one of our knee-bearing legs, such as we apply in cases where the stump below the knee is short and cannot be used in "swinging a limb." This sometimes occurs where the amputation has been made just below the knee joint, or where the stump has become contracted at right angles with the leg. In these cases a padded bearing is made to receive the knee; the thigh socket is fitted to the stump similar to our Fig. 1, except that it has a narrow lacer in front. The calf is made full so as to come out flush with the end of the stump, the end of which is neatly covered with a leather apron, that is fastened to the knee-joint, and which serves to protect it from being struck or bruised. We can usually succeed in giving to the limb a normal appearance and a well rounded shape, that completely disguises the disfiguration usually entailed on those having this serious complication.

Fig. 12 shows an amputation by Sym's operation. For these cases we make a leg like Fig. 14, which is fitted so as to lace up around the limb to the knee, protecting the stump and making a good and serviceable appliance.

Fig. 13 shows an amputation by Chopart's operation,

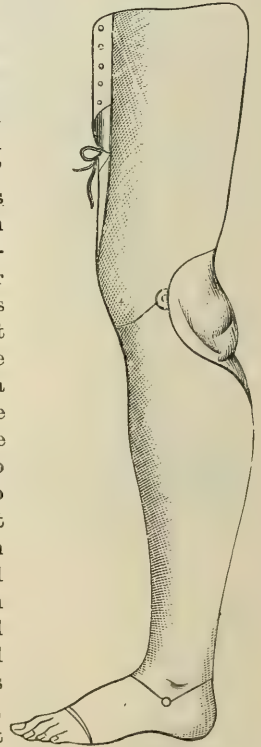


Fig. 11. Showing our Knee-bearing Leg for an amputation just below the Knee joint.



ARTIFICIAL LIMBS.

for which we make an appliance as shown by Fig. 15. The foot is of English willow and steel, to which is attached by steel ankle joints and bars a leather calf lacer accurately fitted to the parts.

Fig. 15A represents an appliance which we are now making for most of the cases for the operations of Syms, Pirogoff and Chopart instead of Figs. 14 and 15. The socket is constructed of a shell of aluminum posteriorly, which is accurately hammered into the correct shape upon an iron cast made from a plaster mould of the leg, while the anterior portion consists of a leather lacing, and the whole is lined with chamois, and padded at the bottom for the bearing of the end of the stump. The foot is rubber and there is no joint at the ankle, the rubber being sufficiently elastic to allow all necessary motion. The advantages over the ordinary appliances are principally, the lightness, strength and neat appearance. This appliance, being made of metal, sits closely at the ankle and thus avoids the necessarily thick and clumsy appearance of the usual forms. In point of durability we claim its superiority over all other appliances in use for these operations, as there are no joints, springs or cords to get out of repair.

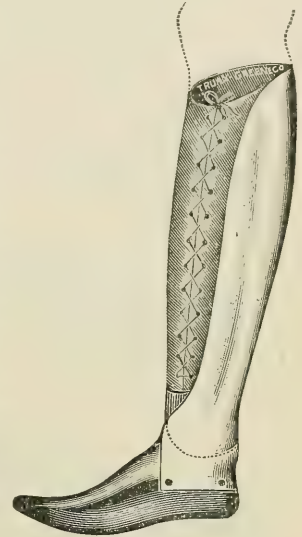


Fig. 15 A.

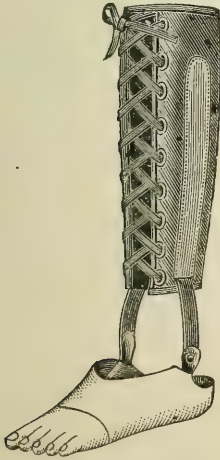


Fig. 15. Showing Artificial Limb for Chopart's Operation.

Figs. 16 and 17 show the construction of our rubber feet, while Fig. 18 shows the action of them when the forward step is taken with the sound limb. Rubber feet similar to these have been in use for many years, and experience has amply proven their lasting qualities, while their elasticity and firmness renders them among the most substantial in use. In moulding these to the shape of a sound limb, we first shape a piece of willow, as shown in Fig. 16. This is then placed in a suitable mould and the rubber vulcanized firmly to it, so as to completely envelope it. The wood imparts strength while the rubber gives the foot its elasticity and natural motion.

With each leg purchased from us, we furnish a well-fitting stump sock that protects the limb and keeps it from chafing. These stump socks are knit from the best of fine woolen yarn, and are made to cover the entire stump from its lower end up to the thigh. We keep a supply of these on hand, and can always furnish them on short notice (for prices see page 656). These stump socks are also well adapted to wear on the stump as soon as it is healed, in order to keep it warm,

DIRECTIONS FOR MEASUREMENTS ON PAGE 657.

HAS TRUAX & CO. GREENE

ARTIFICIAL LIMBS.

and to assist in compressing and strengthening it. Great care should be exercised in the treatment of the stump after it has healed and before a leg is applied. The stump and joints should be moved vigorously and often, in order to preserve a natural and easy motion and to prevent muscular contraction. Nothing but exercise makes and keeps our joints and muscles strong and flexible, and these are essential in using a leg to advantage. Were one to allow a sound and healthy arm to hang useless by his side for a single month it would become weakened so as to be almost useless. This principle applies equally as well to a leg stump, and is ample evidence that the sooner a leg is applied to a stump, after it has thoroughly healed the better. The length of time to be allowed in these cases must vary according to circumstances, depending on the cause of amputation, the severity of the shock to the nervous system and the general health of the patient, but under ordinary cir-

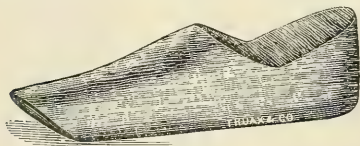


Fig. 16. Showing the Block of Wood over which our Rubber Feet are moulded.

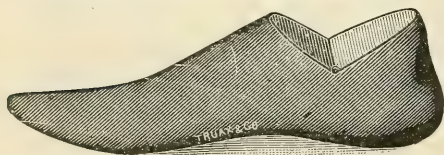


Fig. 17. Showing our Rubber Foot.

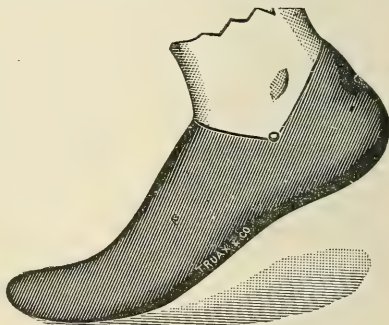


Fig. 18. Showing how a Rubber Foot will bend in walking.

cumstances, two or three months is sufficient. This applies equally as well to children as to adults, for no child of five years of age and upward should be allowed to go a single year without an artificial limb. Our limbs are so constructed that they can be lengthened at a slight expense, and the even and regular development of both limbs more than repays the expense.

Parties desiring to order legs (see directions on page 653), and visit us for fitting, should first write to us and obtain a measure blank, which must be filled out with the utmost care and accuracy, and returned to us so that we will receive it at least three days before they arrive here to be fitted. This enables us to block out the leg and have it all ready for fitting, which can usually be done in one day, although sometimes requiring two. After a leg is fitted, it takes from ten days to two weeks to finish it, and parties who do not wish to remain here in the city so long, can return home and have the leg sent to them afterwards by express.

A lady, who has had experience in the business, will be provided to give attention to lady patients, and all consultation is considered private and gratuitous.

Good hotel accommodations can be secured within a short distance of our factory, thus enabling parties to be close at hand while being fitted.

If those who are strangers in the city, and who arrive in the day-time, will telegraph us at what hour and on what road they expect to arrive, we will meet them at the depot and see that they are supplied with proper conveyances to a good hotel that is within a short distance of our factory.

DIRECTIONS FOR MEASUREMENTS ON PAGE 657.



ARTIFICIAL LIMBS.

ARTIFICIAL ARMS AND HANDS.

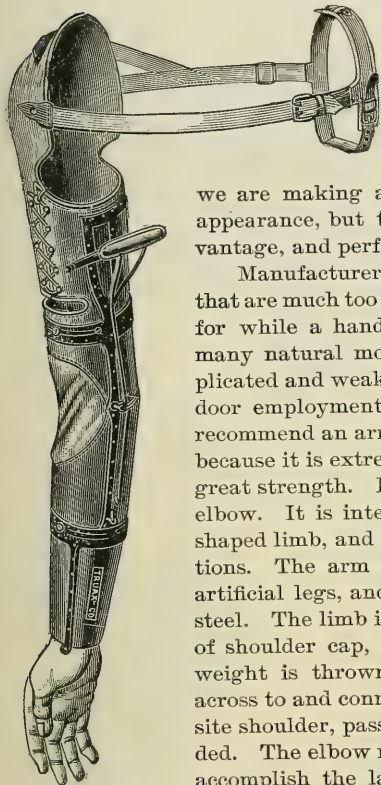


Fig. 25. Showing our best Arm, for amputation above elbow.

In the manufacture of artificial arms, we employ the same amount of skill and accuracy as in making artificial legs, and although it is far more difficult to construct an arm that will answer in its respective place as well as a leg, owing to the manifold uses required of it, yet we are making arms and hands that not only possess a life-like appearance, but that enable the wearer to use them to great advantage, and perform a vast amount of work with them.

Manufacturers generally are inclined to furnish artificial arms that are much too complicated, particularly for the laboring classes, for while a handsome, well-shaped arm, like Fig. 25, possesses many natural motions and is capable of varied uses, it is too complicated and weak for heavy work. For those engaged in out-of-door employment, where service and not beauty is desired, we recommend an arm made from steel and leather, similar to Fig. 29, because it is extremely light, simple in construction, and possesses great strength. Fig. 25 shows an arm for an amputation above the elbow. It is intended particularly for those who desire a well-shaped limb, and one that can be moved and "set" in various positions. The arm is constructed much after the principle of our artificial legs, and is manufactured principally from leather and steel. The limb is held firmly on the stump by an improved form of shoulder cap, so constructed that in carrying an object the weight is thrown wholly on the shoulder. Strong bands pass across to and connect with a smaller piece that encircles the opposite shoulder, passing under the arm, at which point it is well padded. The elbow may be swung freely or "set" at any angle. To accomplish the latter, a small button may be pressed, after the limb has been flexed, when it will remain in that position until released. Movements of the fingers are regulated by the pad shown on the inside of the arm. By pressing the arm against the side

this pad is forced close to the arm, operating the fingers of the hand. The hand can be manufactured so it will close by springs and be opened by the pad, or vice versa. For business men who wish an appliance for holding papers or documents, we can construct an apparatus similar to that shown in Fig. 27, to be operated by the same mechanism as shown in Fig. 25, or a system of attachments, as shown in Fig. 29, may be used.

We can fit this arm to those who have three inches or more of stump, and provided it retains a healthy degree of force and rigidity, it will enable the wearer to raise his hand to his mouth or forehead, and to take his hat from off his head. We can give him perfect control of the elbow joint, so he can throw it backwards or forwards, or hold it in any position. We can also make an arm having a fixed position at the elbow, similar to our Fig. 31. These arms we make very stout, so they can be made to do service in carrying heavy loads, such as valises, baskets, clothing, or any

HAS TRUAX & GREENE & CO.

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other article that may be hung or suspended from it. The hands can be made to

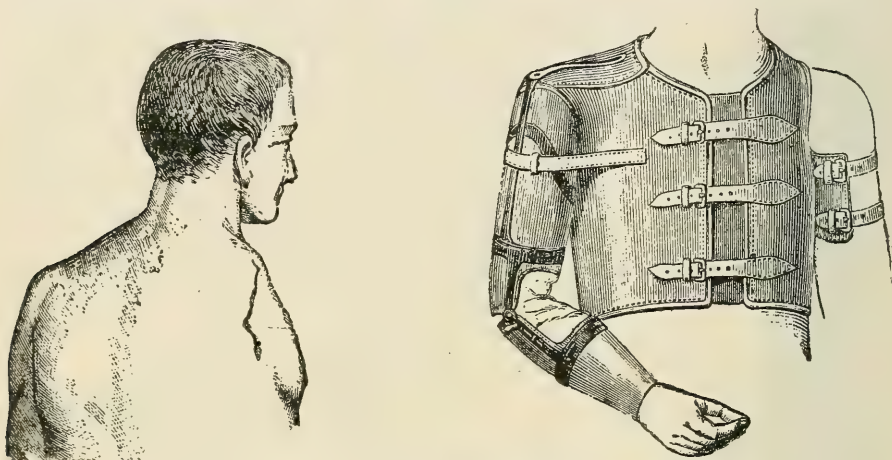


Fig. 26. Showing an artificial limb for a shoulder amputation.

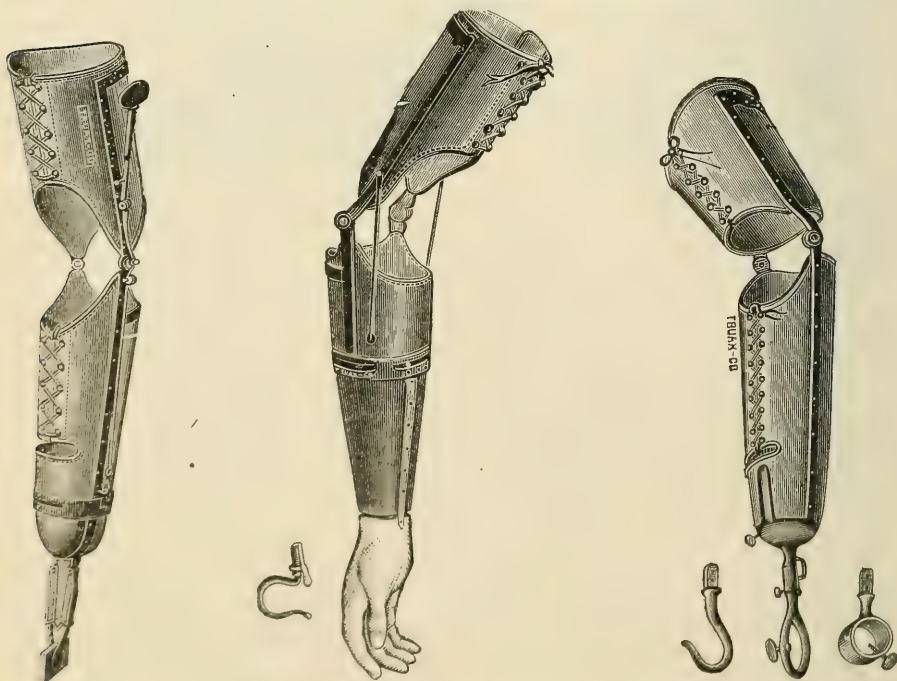


Fig. 27.

Fig. 28. Showing arms for amputations below the elbow.

Fig. 29.

suit the purchaser, so that he can carry a valise, pail of water, hold the lines in driving, and in short, use it as a valuable assistant to the sound one.

DIRECTIONS FOR MEASUREMENTS ON PAGE 658.



ARTIFICIAL LIMBS.

Fig. 26 exhibits a case of right shoulder amputation, and illustrates the form of a limb that we construct for such patients. Here the body is encircled with a well-fitting leather jacket, strengthened at the shoulder, to which is attached the artificial limb, by means of a socket joint. This illustration is only intended to show the method of applying any form of limb that may be selected.

Fig. 27 shows a limb for an amputation below the elbow joint. In these cases, the patient only requires mechanism for controlling the fingers, and this we can supply either as shown here or as illustrated in Fig. 25. The motive machinery of these is the same, the only difference being in the expense of construction—that shown in Fig. 27 being the cheaper.

Fig. 28 illustrates an arm with detachable hand for attaching the hook. The hand is made with stiff fingers, though the thumb is jointed and firmly held against the flexed forefinger, making a very serviceable and well appearing appliance.

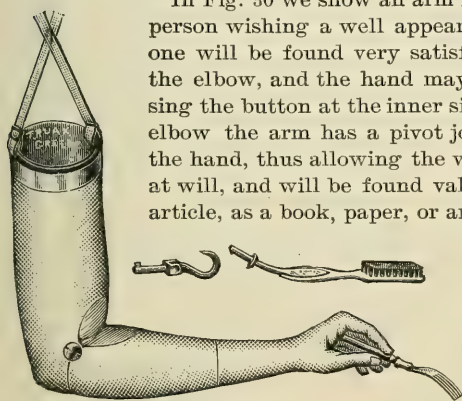


Fig. 30.

In Fig. 30 we show an arm for amputation above the elbow. For a person wishing a well appearing arm combined with usefulness, this one will be found very satisfactory. This arm has a catch joint at the elbow, and the hand may be dropped to the side by simply pressing the button at the inner side of the joint. Between the wrist and elbow the arm has a pivot joint so as to give a rotary motion of the hand, thus allowing the wearer to place the hand in any position at will, and will be found valuable in many ways while holding any article, as a book, paper, or any light work. The fingers are made so as to have all movable joints, allowing the closing or opening of the hand, as found necessary. The thumb has the joints movable, and, at the base, is governed by a strong spring, so that with the fore-finger flexed, any light article can be held by the thumb against it. In the palm of the hand is arranged a socket into

which the extra appliances are slipped, turned half round and firmly held for use. The cut shows the fork in position for use at table. The hook, which is made with a joint, can be utilized in many ways, the value of which is appreciated by those who have worn compensatory apparatus. The hook being concealed in the palm of the hand, can be used by the wearer in carrying packages, a valise, or other articles. The use of the brush, which is mounted on a long shank to prevent the wetting of the hand, is principally that of washing the other hand and arm, the value of which will be apparent to those who have lost an arm. This arm is made of wood or aluminum, and is extremely light and strong. It is recommended for its simplicity of construction and management, and its manifold uses. There are no complicated pulleys and cords to get out of order, and which are usually more theoretical than practical in their uses. The same principles can also be embodied in an arm for amputation below the elbow, except the catch joint which would be unnecessary.



ARTIFICIAL LIMBS.

Our success in constructing these arms of aluminum has been very gratifying, as they make very light and strong appliances.

Fig. 29 shows one of the many forms of plain arms manufactured for cases of amputation below the elbow. It can be furnished with any pattern of hand, or other contrivances desired. The operator has no control over the finger or clamp movements, but having a natural shoulder joint and elbow, much work may be accomplished with it. This is the pattern we especially recommend to laboring people, because it is stronger, more durable, and lower in price. With a reasonable amount of practice, a patient soon becomes proficient in its use, when it forms a most valuable assistant to the sound limb.

Fig. 31 shows an arm made flexed, with a stiff elbow joint; it is useful in carrying baskets, pails and other articles.

Fig. 32 is intended to show how, when writing or engaged in other work, the fingers may be moved by means of the mechanism shown in Fig. 25. These hands can be constructed either with or without wrist movement, as desired, owing to the class of work that will be required of them.

Fig. 33 shows a portion of the mechanism for operating the fingers of a hand, while Fig. 34 shows an external view of the same. In addition to these, we also manufacture hands that are natural in form, but that have no motion.

Fig. 39 shows an arm with the hand detached, and a device for holding tools and other appliances in their place.

Fig. 41 shows a knife, that can be quickly put on to the wrist in place of the hand. This knife can be folded up and carried in the pocket.

Fig. 42 shows a fork that can be attached the same as the knife, and which can also be folded up.

Fig. 43 shows a style of tool we often make for those who wish some device to assist in general work, when much strength is required. It consists of a kind of clevis, made on a swivel, so it can be turned in any direction.



Fig. 32. Showing the action of one of our adjustable hands when used in writing.

ARTIFICIAL LIMBS.

There are no forms of amputation that present so many difficulties to the instrument maker as those in or about the hand, and none that, as a class, are so unsatisfactory to the patient. These amputations, being



Fig. 33.



Fig. 34.

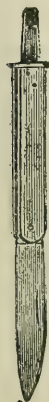


Fig. 41.



Fig. 42.

unclassified, present all conceivable forms of shape and contour, so that each one requires an apparatus especially designed for its case. In selecting a form of appliance for these patients, we consider three qualities, each with reference to the needs of the patient: 1st, Durability; 2d, Usefulness, and 3d, Symmetry of form. Simplicity is a necessary requisite of durability, while durability is essential in a useful appliance. The three forms of hands here shown are intended only for cases where the amputation has been made below the wrist, and where the latter still retains its mobility. If, however, there exists anchylosis of the joint, the fingers may be controlled by a cord and band passing over the shoulder, or by flexing and extending the elbow.

Fig. 45 has movable joints in both fingers and thumb, and while it may be made useful as a valuable assistant to a sound hand and arm, it can not be utilized in the performance of heavy work. Its principal mission is one of beauty, as it possesses a natural size and appearance.

Fig. 46 shows an appliance for use where the fingers only have been removed. In this apparatus we construct the fingers of wood with metal centers, so combined as to afford great strength. The fingers being curved, they can be utilized in carrying, lifting and holding, while with the natural thumb they afford a firm grip. These hands are

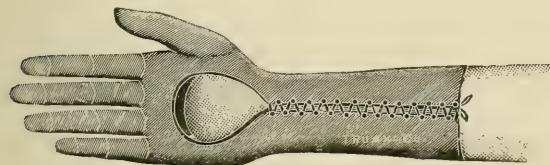


Fig. 45.

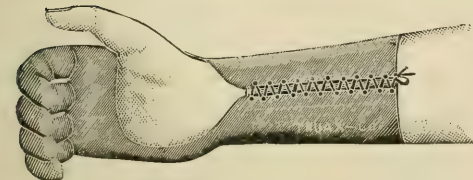


Fig. 46.

This can be constructed to open and close like any one of our hands, or the fingers operated by simple springs, so they will hold any article placed in their grasp.

DIRECTIONS FOR MEASUREMENTS ON PAGE 658.



Fig. 39.



Fig. 43.

made of the best of willow, covered with rawhide, so that they form appliances of great strength, combined with extreme lightness.

Fig. 47 shows a hand for cases where both the thumb and fingers have been amputated.

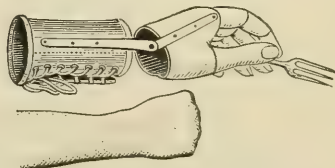


Fig. 47.



ARTIFICIAL LIMBS.

SPECIAL DIRECTIONS IN ORDERING.

Parties ordering artificial limbs must remember that it is more preferable to have the patient present to be fitted than to rely on the accuracy of measurements alone, but with our new system of measurements we are now enabled to so adjust the manufacture of these appliances that a good fit can be guaranteed, provided perfect measurements have been sent us. Parties at a distance can thus order from us without necessitating the heavy expense incident to a long journey, and suitable blanks for this purpose will be sent on application, or those given on the following pages may be used. There are some cases, particularly those of joint amputations, such as the knee, ankle, elbow or wrist, where a plaster cast of the limb is necessary, especially if the stump has any irregular or uncommon shaped surfaces. Our blanks contain plain instructions, so that almost any one of ordinary intelligence can make the measurements without difficulty.

PRICES OF ARTIFICIAL LIMBS.

ARTIFICIAL LEGS, similar to Figs. 1 or 1 _A , (with or without rubber feet) ..	\$100 00
Similar to Figs. 7 or 9, (with or without rubber feet)	85 00
“ “ 14 or 15, for Syme's, Pirogoff's or Chopart's operations.	65 00
Appliances made of Aluminum for the above operations, Fig. 15 A....	75 00
For applying rubber feet to ordinary legs.	15 00
ARTIFICIAL ARMS, of best construction, movable fingers, Fig. 30.....	100 00
Same made of Aluminum.....	150 00
Similar to Fig. 25, movable fingers.....	125 00
“ “ 26, “ “	125 00
“ “ 27, “ “	85 00
“ “ 28, stiff “	65 00
“ “ 29	50 00
“ “ 39, only with plain hook.....	50 00
ARTIFICIAL HAND, similar to Fig. 45.....	65 00
Similar to Figs. 46 and 47.....	45 00
“ “ 47, made of Aluminum.....	65 00
Additional appliances charged extra.	

TERMS.

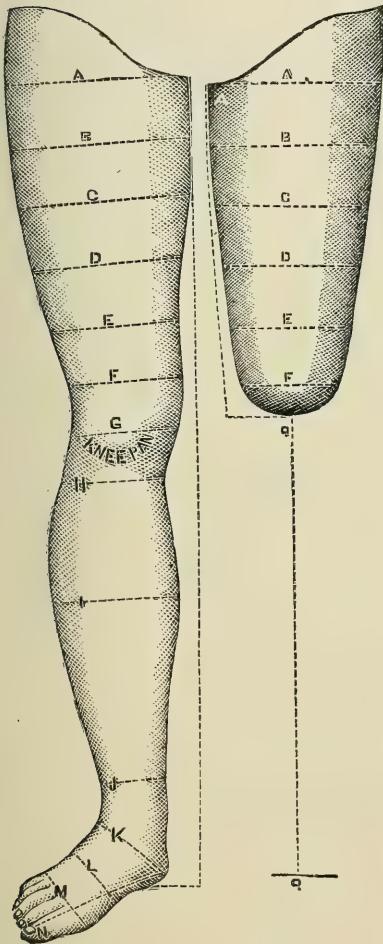
At least one-half the price of a limb must be paid in advance when the order is placed, and the balance when the limb is completed. As we guarantee to deliver a perfect fitting limb, and to warrant it against poor material or inferior workmanship for five years, customers take no risks in paying in advance, while they protect us against loss.



ARTIFICIAL LIMBS.

DIRECTIONS FOR MEASUREMENTS FOR ARTIFICIAL LEG.

(DO NOT CUT OR MUTILATE THESE PAGES, COPY THEM OR SEND FOR BLANKS.)



Measurements of sound leg to be filled out with every order, whether the amputation be above or below the knee.

Distance from body to floor..... A to O

“ “ knee-pan..... A to G

Circumference around leg close to body at... A

“ “ 2 in. below... A to B

“ “ 4 in. “ A at C

“ “ 6 in. “ A at D

“ “ 8 in. “ A at E

“ “ 10 in. “ A at F

“ “ at knee-pan.... at G

“ “ just below knee-pan..... at H

“ “ at calf..... at I

“ “ at smallest part of ankle.. at J

“ “ heel..... at K

“ “ foot..... at L

“ “ toe joints..... at M

Length of Foot..... at N

Lateral diameter through the leg from side to side..... at G

Length from top of knee to floor, taken while sitting with sound leg bent at right angle..... W to W

MEASUREMENTS TO BE FILLED OUT WHERE THE AMPUTATION HAS BEEN MADE ABOVE THE KNEE.

Circumference around stump close to body at... A

“ “ “ 2 in. below..... A

“ “ “ 4 in. “ A

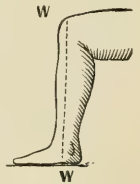
“ “ “ 6 in. “ A

“ “ “ 8 in. “ A

“ “ “ 10 in. “ A

Length from end of stump to floor.... O to O

Which leg amputated.....



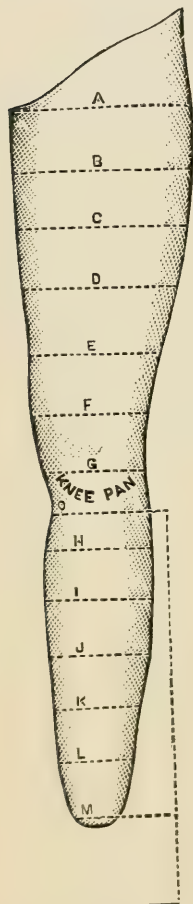
When ordering an Artificial Leg, always send a boot or shoe (the lighter the better) that the foot may be made to correspond to the natural one.

Take all measures twice, in order to make no mistakes, and write all figures with pen and ink.



ARTIFICIAL LIMBS.

MEASUREMENTS TO BE FILLED OUT WHERE THE AMPUTATION HAS BEEN MADE
BELOW THE KNEE.



Circumference around stump close to body.....	at A
" " " 2 inches below.....	A at B
" " " 4 " "	A at C
" " " 6 " "	A at D
" " " 8 " "	A at E
" " " 10 " "	A at F
" " " at smallest place above knee.....	
" " " at knee.....	at G
" " " at lower edge of knee-pan	at O
" " " 2 inches below.....	at H
" " " 4 " "	at I
" " " 6 " "	at J
" " " 8 " "	at K
" " " 10 " "	at L
" " " 12 " "	to M

Lateral diameter through the leg
from side to side.....at G

Distance from end of stump to
floor.

Distance from lower edge of knee-
pan to floor.....O to S

Name.

P. O. address.

County.

State.

Occupation.

Size of Shoe Worn.

Which Leg Amputated?

Date of Amputation.

Cause.

Weight.

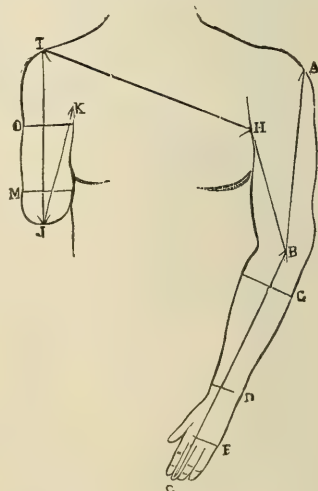
Height.

Age.

Has patient ever worn an artificial
limb?

How long?

Whose make?



DIRECTIONS FOR MEASUREMENTS FOR ARTIFICIAL ARM.

- | | |
|-------------------------------------|---------------------------------------|
| 1. Right or left. | 13. Distance from.....C to B |
| 2. Amputated above or below elbow. | 14. " "B to A |
| 3. Circumference of stump at E. | 15. " "B to H |
| 4. " " at D. | 16. " "H to I |
| 5. " " at G. | 17. " "J to K |
| 6. " " at B. | 18. " "J to I |
| 7. " " at M. | 19. Circumference of sound arm...at E |
| 8. " " at O, | 20. " "at D |
| 9. Distance from end of stump to D. | 21. " "at G |
| 10. " " " " to B. | 22. " "at B |
| 11. " " " " to H. | 23. " "at M |
| 12. " " " " to I. | 24. " "at O |



TRUSSES AND SUPPORTERS.

NET PRICES TO PHYSICIANS.

We make a specialty of fitting Trusses, and are prepared to offer our customers unusual advantages, which we trust will assist in securing them a largely increased patronage in this department of surgery.

To those of our customers who wish to carry a small assortment of Trusses in stock we will make a special dozen price, which will enable them to make good margins on their sales, in addition to their usual charges for services rendered.

To those who have a credit already established, or who will send a deposit on account, we will send a number from which to make a selection, provided the customer agrees to return all those not wanted within ten days, free of expense to us, it being understood that the trusses are not to be soiled.

If an accurate description of the case is sent us we can usually make a single selection which will meet the wants of the patient, thus avoiding considerable expense, and, in case it does not fit, it can be returned and exchanged, provided it is not soiled.

DIRECTIONS FOR ORDERING.

Give patient's name, age, whether Inguinal, Scrotal or Femoral Hernia, full circumference of body in line of the rupture, or one inch below iliac crests, and if the rupture is on the right, left, or both sides.

Give also an accurate description of the size, general appearance and peculiarities of the hernia, style of truss the patient has been wearing, if any, whether or not it retained the hernia, and the style of truss you think best adapted to the case, and whether it should have a strong or weak spring.

Net Prices to Physicians.

TRUSSES, Adults', single, Acme, Hastings, leather, either side, Fig. 779.....	\$2 00
“ Champion leather, see page 665.....	2 00
“ “ hard rubber, see page 665.....	2 75
“ Celluloid, see page 667.....	3 00
“ “ No. 18, see page 667.....	5 00
“ Chase improved, leather, Fig. 806.....	1 50
“ “ with water pad, Hastings, Fig. 787.....	2 00
“ “ with extra long neck, femoral, fine quality, Fig. 810	1 75
“ “ hard rubber, Hastings, same as Fig. 783.....	2 00
“ “ cross-body, hard rubber, Hastings, Fig. 781.....	2 00
“ Egan's Imperial, see page 670.....	2 63
“ Elastic, Fig. 826.....	1 25
“ Elastic with water pad, Hastings, Fig. 788.....	1 75
“ “ Dr. Parker's lever, Fig. 851.....	2 50
“ English, common, right or left.....	1 25
“ French, right or left, kid pad, Fig. 812.....	1 50
“ “ “ extra fine kid, ladies', Fig. 802 ...	2 00
“ “ hard rubber, Hastings, Fig. 780.....	2 00
“ “ improved, kid pad, Fig. 808.....	2 00



TRUSSES AND SUPPORTERS.

TRUSSES, child's double, elastic, Fig. 829.....	\$ 1 75
“ Egan's Imperial, see page 670.....	2 63
“ French, kid pad, Fig. 836.....	1 75
“ Monarch, Dr. Parker's, Fig. 832.....	3 50
“ self-adjusting, silk finish, Fig. 822.....	3 00
Infant's, embracing numbers from 10 to 21 inches, inclusive.	
Infant's, single, Acme, Hastings, leather, Fig. 779.....	1 50
“ Celluloid, Fig. 6, page 667.....	1 50
“ Champion, leather, either side, see page 665.....	1 50
“ Chase, hard rubber, same as Fig. 844.....	1 50
“ cross-body, hard rubber, Fig. 781.....	1 50
“ Egan's Imperial, see page 670.....	1 88
“ elastic, Fig. 826.....	1 00
“ Femoral, Fig. 845.....	1 25
“ French, hard rubber, Fig. 780.....	1 50
“ “ soft rubber cover, Fig. 840.....	1 25
“ “ kid pad, right or left, Fig. 843.....	1 00
“ German, with understrap, Fig. 814.....	1 25
“ self-adjusting, silk finish, Fig. 834.....	1 50
Infant's, double, Acme, Hastings, leather, Fig. 779.....	2 50
“ Celluloid, same as Fig. 6, page 667.....	3 00
“ Champion, leather, see page 665.....	2 50
“ cross-body, hard rubber, same as Fig. 781.....	2 25
“ Egan's Imperial, see page 670.....	2 63
“ elastic, Fig. 829.....	1 50
“ French, hard rubber, Fig. 782.....	2 25
“ “ soft rubber, Fig. 838.....	2 25
“ “ kid pad, Fig. 843.....	1 50
“ self-adjusting, silk finish, Fig. 834.....	2 50
Umbilical, Adult's, bow spring, leather covered, Fig. 852.....	2 00
“ “ elastic, celluloid pad, see page 667.....	3 00
“ “ “ kid pad, Fig. 854.....	3 00
“ “ Egan's Imperial, see page 670.....	6 00
“ “ Empire, see page 680.....	4 00
“ “ hard rubber, bow, same as Fig. 861.....	3 50
“ Child's, bow spring, leather cover, Fig. 852.....	2 00
“ “ elastic, kid pad, Fig. 854.....	1 50
“ “ hard rubber, Fig. 861.....	2 25
“ “ Egan's Imperial, see page 670.....	1 88
“ “ Empire, see page 680.....	2 50
Umbilical, Infant's, bow spring, leather cover, Fig. 858.....	1 00
“ “ elastic, celluloid pad, see page 667.....	1 50
“ “ “ kid pad, Fig. 857.....	1 00
“ “ Egan's Imperial, see page 670.....	1 88
“ “ Empire, see page 680.....	1 00
“ “ hard rubber, Fig. 861.....	1 75
“ “ soft rubber, Fig. 842.....	75



TRUSSES AND SUPPORTERS.

SUPPORTERS, Abdominal, silk front, extra heavy, Fig. 872.....	\$ 3 00
Abdominal, Prolapsis ani, ebony pad (see rectal instruments.).....	3 50
“ “ ivory pad.....	4 00
SUSPENSORIES, Columbian, cotton,	75
Columbian, linen,	1 00
“ silk,	1 50
J. P., No. 1, Fig. 895.....doz.	4 80
“ 2, “	4 20
“ 3, “	3 60
“ 4, “	3 00
“ 5, “	2 40
“Rawson’s,” No. 1, see page 677.....each	85
“ “ 1½, “	1 00
“ “ 2, “	1 15
“ “ 3, “	1 35
“ “ 4, “	1 50
“ “ 5, “	1 75
“ “ 6, “	2 50
“Saratoga,” No. 8, see page 677.....	50
“ “ 10, “	65
“Syracuse,” “ 10.....	30.
“ “ 16.....	40
“ “ 21.....	60
“ “ 26.....	75
“ “ 27.....	75
“ “ 31.....	95
“ “ 34.....	1 50
“ “ 36.....	2 25
Bicycle, Army and Navy, extra fine.....doz.	12 00
“ No. 29, silk, elastic bands.....	8 00
“ “ 29, linen, “	6 00
“ Linen.....	4 00
Jumbo, very large.....	6 00
COMPRESSORS, Carroll’s.....each	1 00
“ Hawes’.....	2 25
“ Miliano’s.....	1 25
D. A. B. D., without suspensory, see page 681	25
With lisle thread suspensory.....	50
With silk suspensory.....	75
ELASTIC BANDAGES, Empire. Discount to physicians, 25 per cent. See page 680.	
2 in. x 3 yds., stretched, price to patients.....	50
2½ in. x 3 yds. “ “ “	60
3 in. x 3 yds. “ “ “	75
2 in. x 5 yds. “ “ “	65
2½ in. x 5 yds. “ “ “	75
3 in. x 5 yds. “ “ “	1 00
Special sizes extra.	



THE OLDEST AND LARGEST TRUSS HOUSE IN AMERICA.

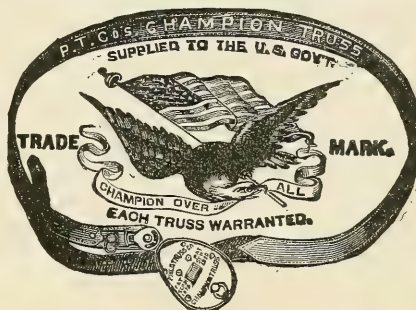
THE PHILADELPHIA TRUSS CO.

THE ONLY MANUFACTURERS OF THE ORIGINAL AND GENUINE

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AWARDED GOLD MEDAL
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**NEW ORLEANS
EXPOSITION,
1885.**

AWARDED SPECIAL MEDAL
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**CENTENNIAL
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1876.**



Manufacturers of
Genuine Hard Rubber
and all kinds of Spring
and Elastic Trusses,
Abdominal Support-
ers, Elastic Stockings,
Shoulder Braces,
Suspensory Bandages,
and Headquarters for
Crutches.

Our Champion Truss is made light, strong and durable, but like every new invention, must overcome prejudice, established customs, and adopted habits. Imitation is the sincerest flattery, but the steadily increasing demand for our Champion, proves more than that. It shows that good goods give good satisfaction, and command good prices, and ready buyers. The extended market our Champion Truss has found all over the World, is a strong proof that it is in reality the very best Truss in the market.

**GENUINE
BEAR OUR**

Firm Name, Dates of
Patents, and also
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"CHAMPION"

**ON PLATE OF
EACH TRUSS.**



MANUFACTURED FOR
**U. S. Army,
Navy and
Pension
Departments.**

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**U. S. Marine
Hospital
Service.**

PHILADELPHIA TRUSS CO., 610 LOCUST ST., PHILADELPHIA, PA.

Complete assortment carried in stock, and sold to the trade at our list prices.

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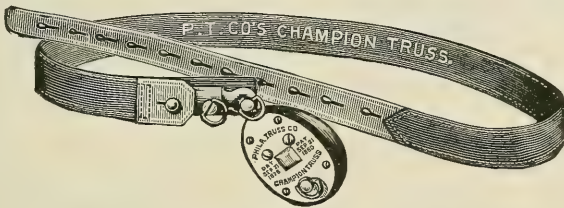


ESTABLISHED 1850.

THE PHILADELPHIA TRUSS COMPANY,

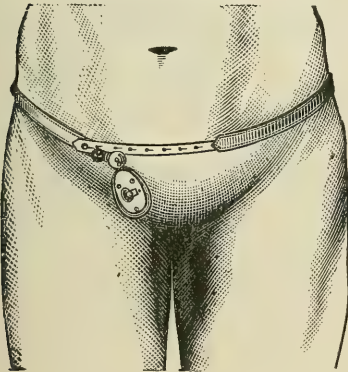
(Successors to S. S. Ritter & Co.)
Inventors and Sole Manufacturers of

THE CHAMPION TRUSS



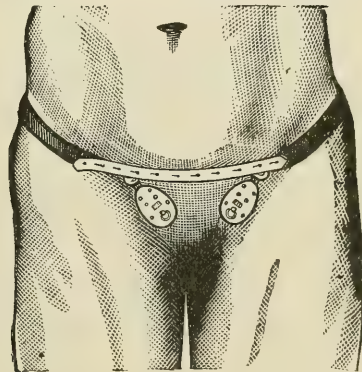
DIRECTIONS FOR ADJUSTING

CHAMPION SINGLE TRUSS.



APPLIED TO RIGHT SIDE.

CHAMPION DOUBLE TRUSS.



APPLIED TO BOTH SIDES.

Take the Truss and fit the Spring to the body of the patient, by bending it open to make it weaker, or closing it to make it stronger, which can be done by gently manipulating with the hands. The Spring being malleable, no fear need be had of breaking it. After having the Spring to fit the body, take the Truss and turn the Pad, A, around on the Swivel-ratchet, B, to the side the Hernia or Rupture is on, either right or left, thus bringing the Pad, A, to the proper angle or position. After having adjusted the Pad, A, and Swivel-arm, B, so as to get the required pressure, the parts can be held firm by tightening the Ring Screws, D, and when tightened, the Truss remains firmly fixed. The above directions also apply to adjusting the Double Truss. **SEND FOR CATALOGUE AND PRICE LIST.**

PHILADELPHIA TRUSS COMPANY,

610 LOCUST STREET,

(P. O. Box 1207,)

PHILADELPHIA.

DEPOTS: MONTREAL, QUE.,

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ORDERS FILLED BY CHAS. TRUAX, GREENE & CO. AT OUR LIST PRICE.



THE CELLULOID TRUSS having received the unqualified approval of the most eminent Physicians, Surgeons and Specialists of both Continents, we desire to indicate a few of its manifold advantages.

Using in its fabrication the finest quality Spring Steel, highly tempered and made only for The E. C. Penfield Co., and a covering of beautifully tinted and highly finished Celluloid, prepared under our immediate supervision, the Truss, as now presented by us, is the most pliable, cleanly, readily adjusted and elegant instrument before the public.

Strong and perfectly made, it is at once durable and absolutely impervious to moisture. Possessing none of the irritating properties which characterize the Hard Rubber Trusses, it occasions no discomfort to the most sensitive skin. No heat being necessary for its accurate adjustment, it is more easily manipulated, and when properly fitted, less liable to displacement than any other Truss ever before manufactured. We only show cuts of a few of the styles made by us, but can furnish almost any style desired. Double Trusses made in every style of single.

THE E. C. PENFIELD CO.,

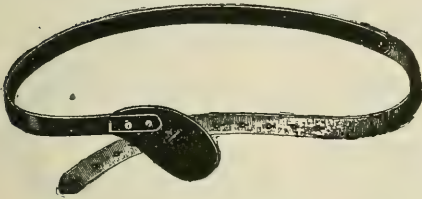
Sole Manufacturers,

112 South Eighth Street, Philadelphia.

For Sale by CHAS. TRUAX, GREENE & CO., Chicago, Ill.

CHAS. **TRUAX** & CO. **GREENE**

Celluloid Trusses.



No. 3.



No. 5.



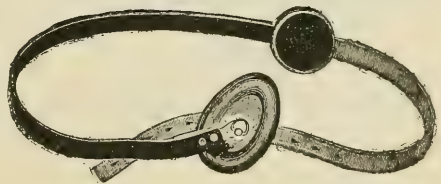
No. 10.



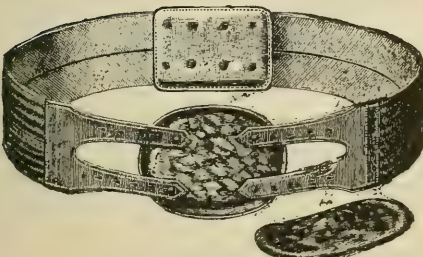
No. 18.



No. 19, or Champion



No. 26.



Celluloid and Elastic, Umbilical.
 {Celluloid Pad and Elastic Belt.}



Celluloid and Elastic,
 Children's Umbilical.
 {Celluloid Pad and Elastic Belt.}



No. 6, Children's.



TRUSSES.

THE HASTINGS TRUSS CO.'S ACME TRUSS.

The demand for our Acme Truss has increased every year since 1872, and we are now furnishing them in wholesale quantities to:

1. The Marine Hospital Service (4 years).
2. Purveyor General U. S. Army.
3. The Commissioners of Indian Affairs (for the Indians).

Its claims to superiority have been fully established. Its name is synonymous with superior excellence, the distinguishing quality (including cheapness) of all our manufactures.

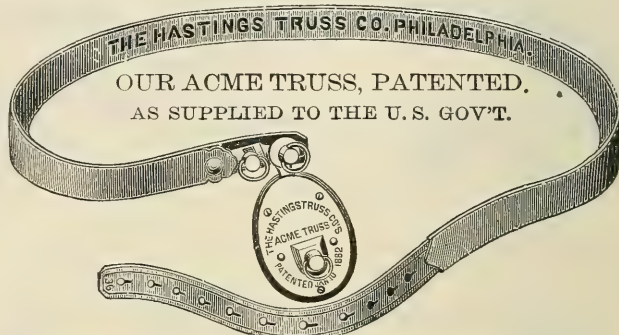


Fig. 779.

HASTINGS TRUSS CO.'S HARD RUBBER TRUSSES.



Fig. 780. Hastings' Hard Rubber Single French Truss. Price to patients, \$3.50.

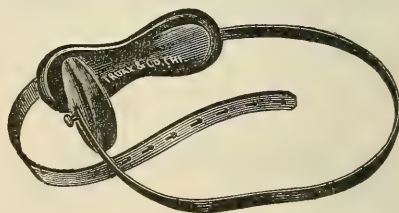


Fig. 781. Hastings' Hard Rubber, Cross' Body Truss, either side. Price to patients, \$4.00.

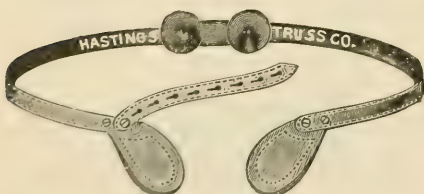


Fig. 782. Hastings' Hard Rubber Double French Truss. Price to patients, \$6.00.

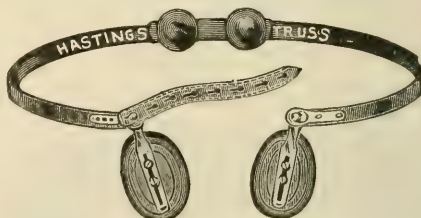


Fig. 783. Hastings' Hard Rubber Chase Truss. Price to patients, \$6.00.

The Hastings Truss Co., Sole Manufacturers, Indestructible Hard Rubber Trusses, Leather Covered and Elastic Trusses, Abdominal and Uterine Supporters, Shoulder Braces, Elastic Hosiery, etc.,

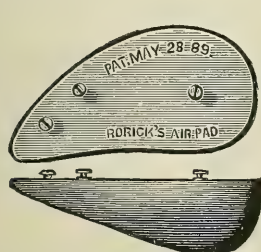
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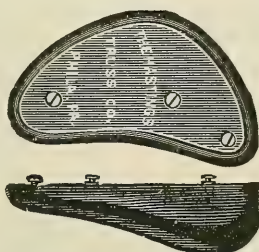


THE HASTINGS TRUSS CO.'S PATENT WATER PAD AND AIR CUSHION PAD

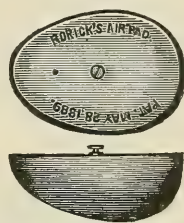
A Great and Valuable Invention in Truss Making.



FRENCH.



EXTENSION PAD.



CHASE IMPROVED.

Furnished Single or Double in any of the following Patterns:



Fig. 787. Chase Truss with Water pad.
Price to patients, \$4.00.

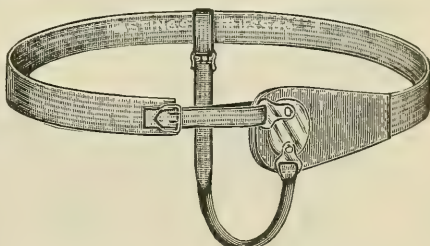


Fig. 788. New York Elastic Truss with Water Pad. Price to patients, \$4.00.



Fig. 789. Improved French Truss with Water Pad. Price to patients, \$5.00.



Fig. 790. French Truss with Water Pad. Price to patients, \$3.50.

In ordering, if you wish to insure your patients receiving comfortable yet efficient trusses, specify whether

HASTINGS WATER OR AIR PADS.

ORDERS FILLED BY CHAS. TRUAX, GREENE & CO.

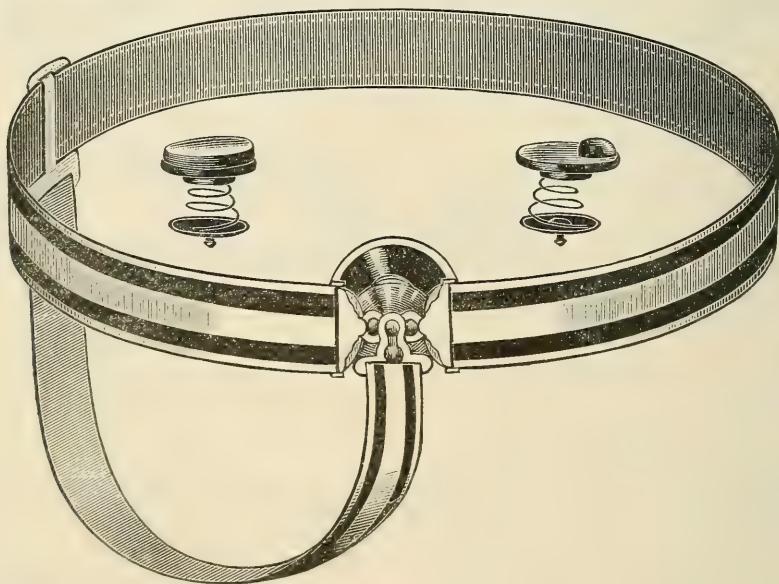


THE EGAN IMPERIAL TRUSS

Has been introduced and is now in use in every State and Territory of the United States, and from the large number of commendations voluntarily sent to us, we have every reason to believe is giving general satisfaction in cases of Inguinal, Femoral and Umbilical Hernia.

The Spiral Spring Pad with interchangeable springs, giving any pressure from one pound to ten pounds, is a most desirable feature.

This Instrument has the approval of the Medical Faculty of the University of Michigan.



FOR PRICES, SEE PAGES 659-663.

... MANUFACTURED BY ...

EGAN IMPERIAL TRUSS CO.

ANN ARBOR, MICH.

ORDERS FILLED BY CHAS. TRUAX, GREENE & CO.

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TRUSSES.

Price to patients. See special instructions on page 659.

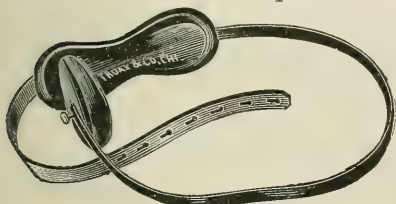


Fig. 801. Cross' Body Truss, hard rubber, \$4.00. See page 660.



Fig. 802. Ladies' Extra Fine French Truss, \$4.00. See page 660.

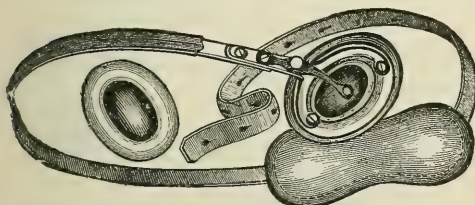


Fig. 804. Radical Cure Truss, \$7.00. See page 660.

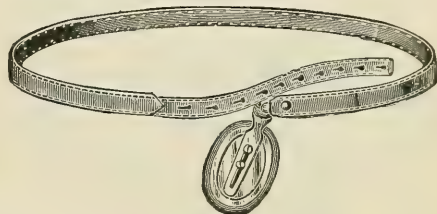


Fig. 806. Improved Chase Truss, \$3.50. See p. 659.

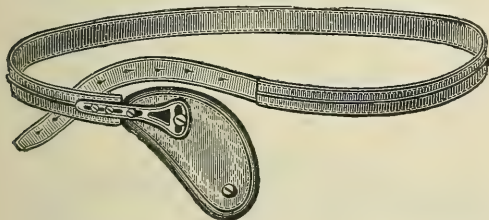


Fig. 808. Improved French Truss, kid pad, \$4.00. See p. 660.

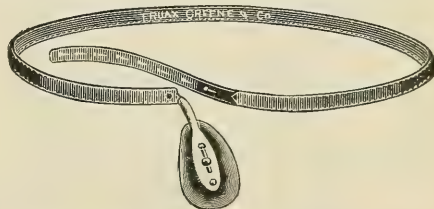


Fig. 810. Chase Femoral Truss, \$3.50. See p. 660.

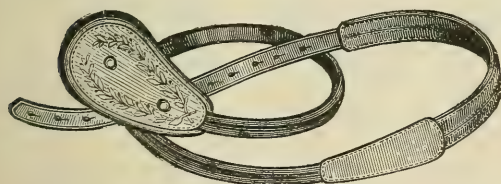


Fig. 812. French Truss, kid pad, \$3.50. See page 660.

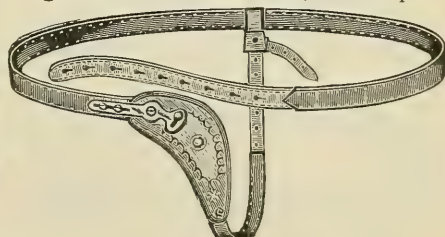


Fig. 813. Improved Scrotal Truss, \$4.50. See page 660. This has a larger pad than Fig. 814.

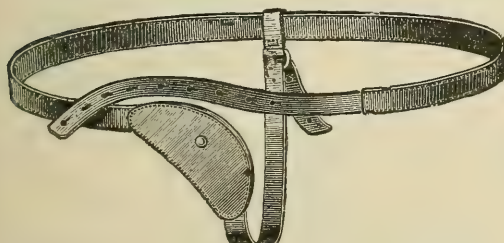


Fig. 814. German Truss, with perineal band, \$3.50. See page 660.

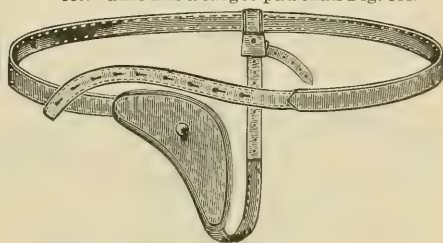


Fig. 818. Jumbo Truss, extra large pad, \$5.00. See page 660.

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TRUSSES.

Price to patients. See special instructions on page 659.



Fig. 820. French Truss, Hard Rubber, \$5.00
See page 660.

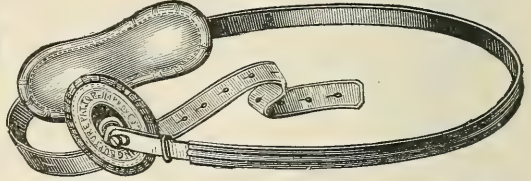


Fig. 822. Self-adjusting Truss, \$5.60. See page 660.

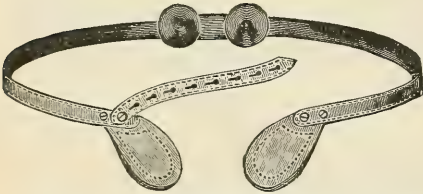


Fig. 824. Double French Truss, Hard Rubber, \$7.00. See page 660.

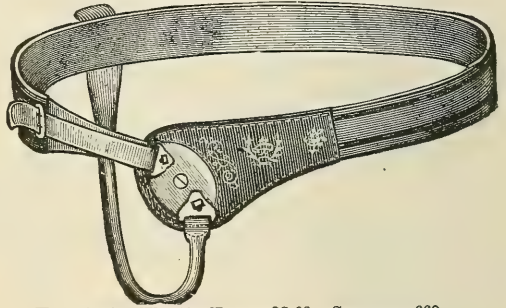


Fig. 826. Elastic Truss, \$3.00. See page 660.

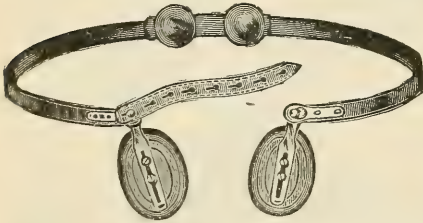


Fig. 827. Double Chase Truss, Hard Rubber, \$7.00.

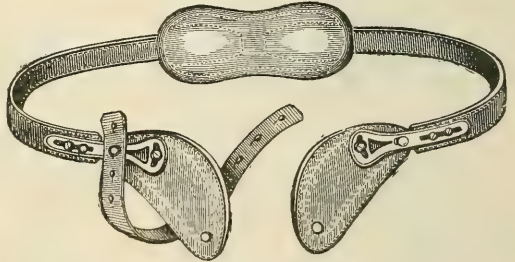


Fig. 828. Double Improved French Truss, \$6.00
See page 660.

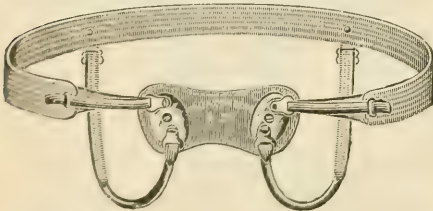


Fig. 829. Double Elastic Truss, \$5.00.
See page 660.

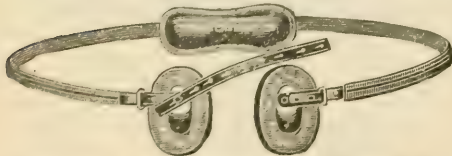


Fig. 830. Double Self-adjusting Truss, \$9.00.
See page 660.

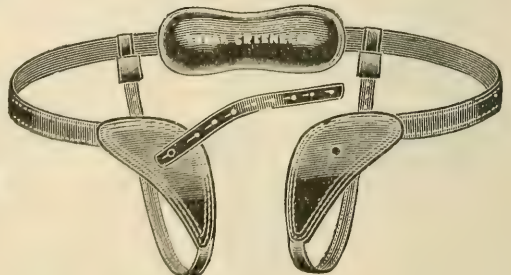


Fig. 831. Double Jumbo Truss with extra large
Pads, \$9.00. See page 660.

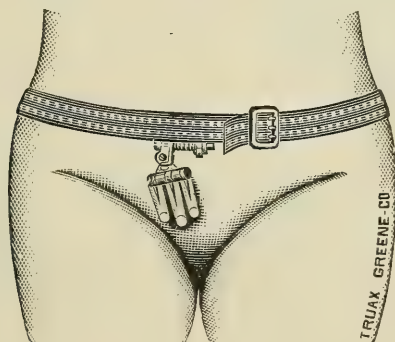


=====THE=====

Dr. Harvey Human Hand Truss

**Is the last and best production of science
and professional skill
for the relief and cure of hernia.**

It is the utilization of nature's own method in an exact reduplication of that portion of the human hand which is employed in holding a rupture in place. It has the rotary motion of the wrist which gives both the inward and **upward** motion of the hand which is so essential to the proper holding of rupture; each finger can be made to act independently, and they can all be put in any position in which the human fingers can be placed. By a simple device the pressure of



the hand can be regulated so as to make it slight and gentle, or as great and strong as any case may require. At the point of holding there is a stop provided, up to which point any amount of pressure can be secured, but beyond which there is not an ounce of pressure.

It is worn with ease and comfort, while it holds with perfect security and cures.

The constant action of the hand over the ruptured part is an application of massage treatment thereto which is curative, and cures quickly. (OVER)



THE HUMAN HAND TRUSS

Is an entirely new departure in every feature of it. And **every principle** which it embraces is **new**, having never before been applied to any truss or appliance for hernia.

It is a perfect duplication of the Human Hand, which is always on guard, adapting itself to every position and movement of the body, and almost possessed of human intelligence.

Advantages Peculiar to Itself, and Possessed by No Other Known Instrument, Truss or Appliance.

1. The fingers, being of white rubber, do not, like most pads, absorb moisture and become offensive, but can, with a damp sponge or cloth, be perfectly cleaned every night.
2. The fingers being soft and elastic, never cause irritation of the pelvic bone.
3. All the metal connections are of silver aluminum and are therefore light and cleanly.
4. The adjustment can be changed in a moment, in whole or in part, one or more of the fingers, or the whole hand.
5. Once adjusted it never slips or gets out of position, and is an absolutely perfect support.
6. From time to time it can be varied in adjustment and pressure, as the case improves, and is nature aiding nature in the most simple and direct method for successfully treating rupture ever known.
7. It is very light, and has no pressure upon the body, as in the ordinary truss, there being a spring only at one point, where it bears directly and only on the fingers themselves.
8. It can be made to fit any case perfectly, whether single or double, right or left, direct or oblique, complete or incomplete, adherent or free, omental or intestinal.
9. It gives perfect comfort and perfect results.

Physicians who have been unable to secure trusses to fit difficult cases can order this truss and obtain a perfect appliance, even for the most aggravated cases. Every one not fitting can be returned, if not soiled.

Price to patients, \$15.00 to \$25.00.

FOR SALE BY CHAS. TRUAX, GREENE & CO.

CHAS. TRUAX & CO. GREENE

TRUSSES AND SUPPORTERS.

DR. PARKER'S MONARCH TRUSS.

PATENTED JULY 6, 1886.

THE MOST PERFECT TRUSS.

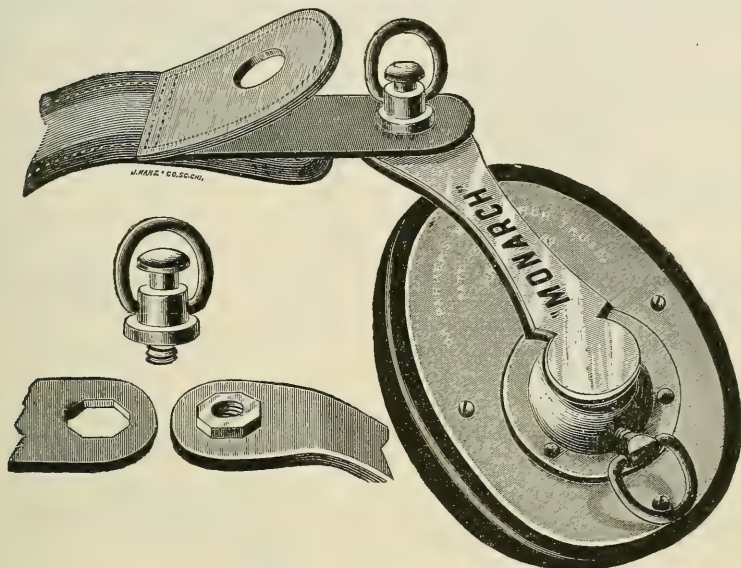


Fig. 832.

Single adult's.....\$ 6 00 each. Single youth's.....\$3 00 each.
Double adult's..... 10 00 each. Double youth's..... 5 00 each.

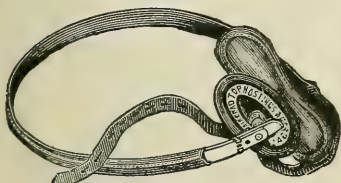


Fig. 834. Self-adjusting Truss, \$3.00

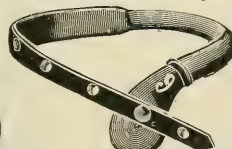


Fig. 840. Infants' all soft rubber truss, single \$2.50, See p.660.



Fig. 843. Infants' French Truss, \$2.00

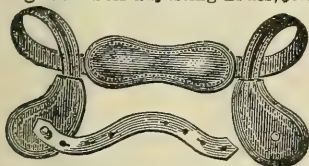


Fig. 836. French Double Truss, \$3.00

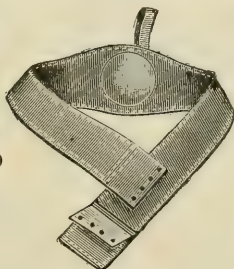


Fig. 842. Infants' soft rubber Umbilical Truss. \$1.50.



Fig. 844. Imp. Chase, hard rubber, \$3.

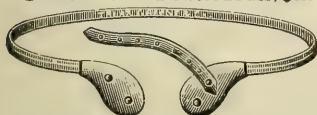


Fig. 838. Double Truss, all covered with soft rubber. \$4.00.

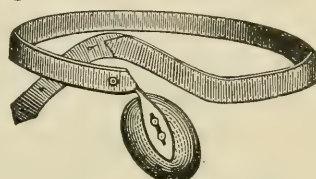


Fig. 845. Infants' Femoral, \$2.50.

TRUSSES.

Price to patients. See special instructions on page 659.

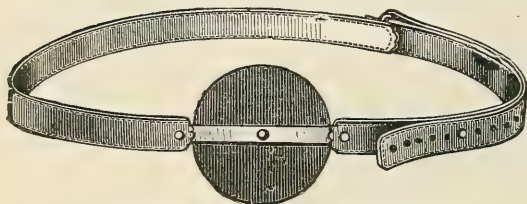


Fig. 852. Bow Umbilical Truss, \$5.00.

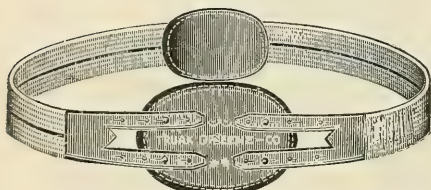


Fig. 854. Elastic Umbilical Truss, \$6.00.
See page 661.

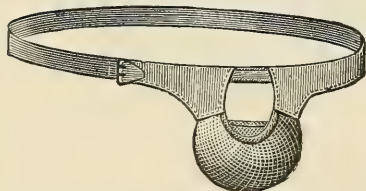


Fig. 859. Silk J. P. Suspensory, \$0.75 to \$1.25.
See page 663.



Fig. 851. Dr. Parker's Lever Elastic Truss and Abdominal supporter.

Prices to patients,
Single.....\$5 00 each.
Double.....6 00 "

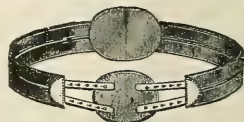


Fig. 857. Infant's Elastic Umbilical, \$2.00. See page 662.



Fig. 858. Infant's Bow Umbilical, \$2.00. See page 662.

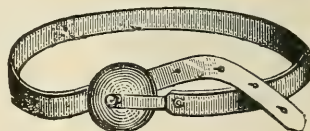


Fig. 861. Steel Spring Umbilical Truss, \$2.00.

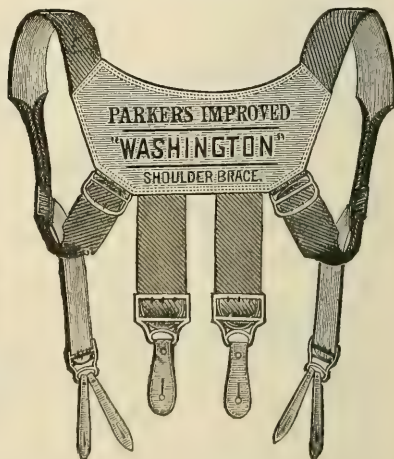


Fig. 850. Dr. Parker's Improved Washington Brace.

Silk webbing, calf back. Webbing rolled under the arm so as not to cut. Ladies' similar in style with belt instead of suspender attachment.

To patients.....\$2 50 each

HAS TRUAX & GREENE & CO.

SHOULDER BRACES.

Prices to patients. See special instructions on page 662.

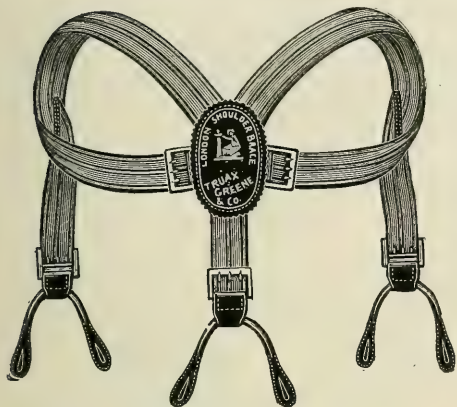


Fig. 862. "Improved London" Shoulder Brace, \$1.50. See page 662.

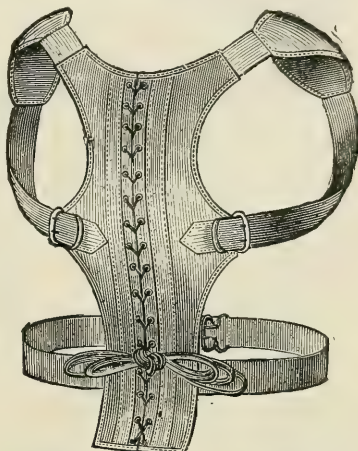


Fig. 863. Corset Shoulder Brace, \$1.75 to \$2.00. See page 662.

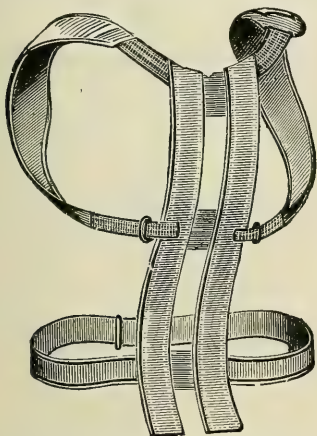


Fig. 864. Steel Back Shoulder Brace, \$2.00 to \$5.00. See page 662.

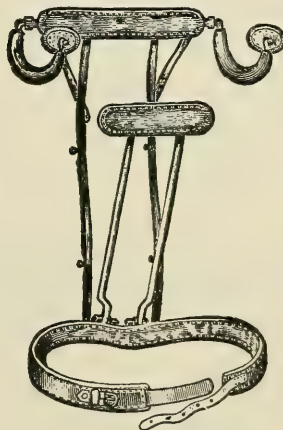


Fig. 866. Stillman's Shoulder Brace, \$30.00 to \$35.00. See page 662.

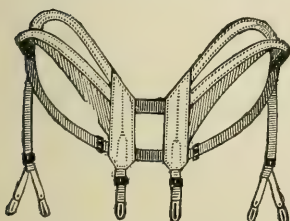


Fig. 868. Cutter's Shoulder Brace, \$1.50. See page 662.

This shoulder brace consists of a hip band, to which is attached a pair of padded strips, one on each side of the median line, so as to avoid the spinous processes, and these strips extend upwards to the middle dorsal region, terminating in a pressure-pad.

To effect this, a light steel frame moulded to the shape of the back, and extending from the sacrum to the cervical vertebrae is attached at its lower extremity to the hip-girth, and there provided with ratchets, which admit of its being secured at any angle. The upper extremity of this frame is secured to the body by means of axillary crutches terminating in pads over the acromion processes. In severe cases a removable head-piece may be added.

The action of the brace is that of a lever exerting its force in such a manner as to distribute its pressure along the spine.

DIRECTIONS FOR MEASUREMENTS SAME AS FOR FIG. 570.



SENSIBLE SUPPORTERS.

DR. GRAY'S BACK SUPPORTING SHOULDER BRACE.



Perfect strengthening support is given to the back, at the same time drawing the shoulders back so as to expand the chest and throw the body into an erect, graceful position. All tendency to round shoulders is thus avoided, and this to the young at the period when the bones and muscles are growing and hardening, is of the utmost importance. Provision is made for attaching skirts and stocking supporters, relieving the hips entirely from the drag and weight. The pad in front serves to keep the back securely in place, and prevents it from getting out of position.
Price to patients.....\$1.50 See page 662.

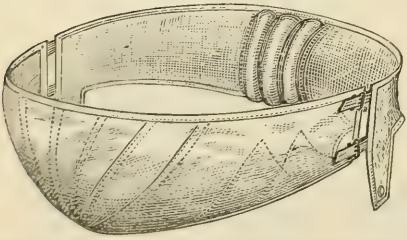
THE COMBINATION BACK SUPPORTING SHOULDER BRACE AND SUSPENDER.

Provided with a firm yet flexible support for the back from the hips to the shoulders, to which is attached, at the waist, a yielding belt, to keep the

back support in place. At the upper part are connected carefully constructed pads, arranged to draw the shoulders gently back, without cutting or chafing under the arms, thus inclining the body to a graceful erect position, expanding the chest and correcting all tendency to stooping or round shoulders. Suspender attachments are also added for the pantaloons, rendering other suspenders unnecessary.

Prices to patients, Boys \$2.00; Youths, \$2.25; Gents.....\$2.50 See page 662.

DRS. GRAY AND FOSTER'S ABDOMINAL SUPPORTER.



An abdominal supporter to fully meet the requirements of common use, a supporter recognized and appreciated by every physician.



In the treatment of chronic diseases of females, this supporter has been prescribed in many instances by several of

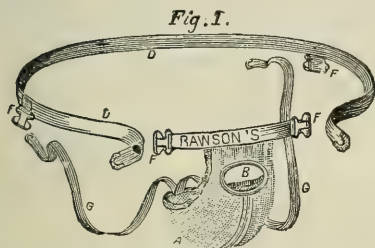
the leading gynecologists of the country, and in every case has given entire satisfaction. Especially has it been successful in its results when worn before and after confinement, serving as a preventive from the numerous diseases and deformities liable to occur from improper care at these critical periods. It is especially beneficial to ladies suffering from pains in the back, hips, loins and sides—troubles caused by weight and downward pressure of the bowels. These supporters may be worn at all times. They fit the form perfectly, hold up the bowels in a comfortable position without undue pressure. Provision is made for attaching a hose supporter. Price to patients.....\$2.00 Special prices to physicians. See page 662.

Made by the George Frost Co., Boston, Mass.
For Sale by Chas. Truax, Greene & Co.



Rawson's U. S. Army Suspensory Bandage.

(PATENT ELASTIC SELF-ADJUSTING.)



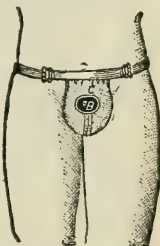
A MARVEL OF SUPPORT, RELIEF, COMFORT AND DURABILITY.

AUTOMATICALLY ADJUSTABLE, RENDERING DISPLACEMENT IMPOSSIBLE.

IT IS ORDERED BY THE U. S. ARMY SURGEONS FOR THE REGULAR ARMY.

IT IS RECOMMENDED BY THE MOST NOTED SURGEONS AND PHYSICIANS IN THE UNITED STATES.

THE ONLY PERFECT ARTICLE EVER OFFERED TO THE PUBLIC.



It is cut in the exact form of the testicles, in different sizes, and fits as perfectly as any other article of gentleman's attire. In quality of material, manner of construction and style of manufacture, it is far superior to any testicle supporter in the world.

IMPORTANT TO THE TRADE.

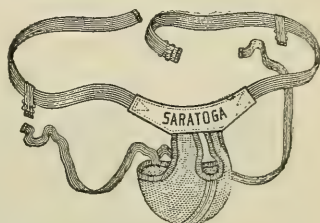
Dealers will confer a favor by returning to us any of Rawson's U. S. Army Suspensory Bandages in which the Elastic has deteriorated or the Bandage has in any way become *imperfect while in stock*, and we will replace them with new goods. We make this request as it is our aim to keep only first-class goods, perfect and superior in every particular, on the market of our manufacture.

S. E. G. RAWSON.

SEND YOUR ORDERS TO CHAS. TRUAX, GREENE & CO.



★
New Style.
"The Saratoga."
★



Manufactured by

THE I. X. L. BANDAGE CO., SARATOGA SPRINGS, N. Y.

The "Saratoga" is manufactured to meet the wants of those desiring a Well-made, Perfect-fitting, Durable, and Low-priced Suspensory Bandage. It is NEW IN CONSTRUCTION and SUPERIOR to any other Suspensory Bandage made and sold at the same price.

The I. X. L. Bandage Co., manufactures but Two Styles of Suspensory Bandages, which are Designated as No. 8 and No. 10.

The sacks of each number are cut in three sizes, viz.: Small, Medium and Large (and extra small and large). These sacks are made of a FINE FRENCH LISLE FABRIC, manufactured for the purpose. This material is a Light Open Texture, which is Woven in a Manner that renders Ventilation of the sacks Complete, thereby AVOIDING undue WARMTH or PERSPIRATION. It is DURABLE as well as SOFT and PLIABLE, giving EASE and COMFORT to the wearer.

It is Finished in Silk Trimmings, with Full Elastic Bands.

WHOLESALE PRICE LIST.

No. 8.....\$4.00 per Dozen.
No. 10.....5.00

RETAIL PRICE LIST.

No. 8, (S), (M), (L).....65c. Each.
No. 10, (S), (M), (L).....75c. "

We also FILL SPECIAL ORDERS in any size required Without Extra Charge.

Examine the "Saratoga" Compare it with other bandages sold at the same price. You will then be Convinced

That it is the Most Satisfactory Selling Bandage, for the price, in the Drug Trade.

ANY INFORMATION DESIRED, FREELY GIVEN.

The "SARATOGA" is Manufactured Expressly for Our Trade.

Send your Orders to CHAS. TRUAX, GREENE & CO.



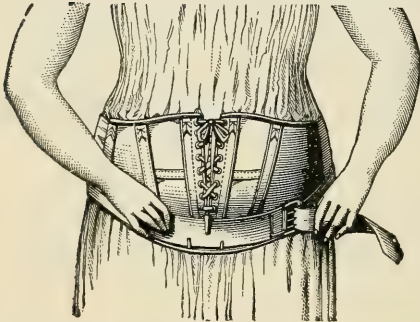
THE TEUFEL MFG. CO.,

—MANUFACTURERS OF—

UNIVERSAL ABDOMINAL SUPPORTERS

GIVING SUPPORT WITHOUT PRESSURE.

For use in Pregnancy, Corpulency and all Abdominal Complaints.



SYSTEM I.

These supporters are manufactured in six different systems, as follows

System I.—“PREGNANCY.”

System II.—“CORPULENCY.”

System III.—“HYPOGASTRIC.”

System IV.—“SPINAL SUPPORT.”

System V.—“UMBILICAL HERNIA.”

System VI.—“FLOATING KIDNEY.”

As well as cheaper kinds for general use.

When properly fitted, these supporters are guaranteed *not to truck up* or become displaced in wearing.

ALSO MANUFACTURERS OF THE RENOWNED

* * * * *

‘AUFRECHT’ SHOULDER BRACES ‘CORRECTOR’

AND THE WELL-KNOWN

“DIANA GIRDLE”

* * * * *

AN IMPROVED MENSTRUAL BANDAGE.

Teufel's “Sport” Suspensory

This suspensory bandage is a perfect and most reliable comfort and relief for *all* complaints of the genital organs.

For catalogues and descriptive leaflets, apply to

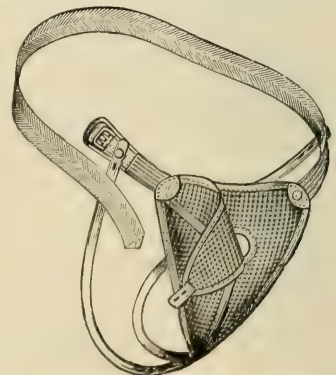
The Teufel Manufacturing Co.,

44 EAST 19th STREET,

NEW YORK.

In ordering please mention this List. For price see page 662.

Orders filled by CHAS. TRUAX, GREENE & CO.



IMPROVED “SPORT” SUSPENSORY.

HAS TRUAX & CO. GREENE & CO.

SUPPORTERS.

Prices to patients. See special instructions on page 662.

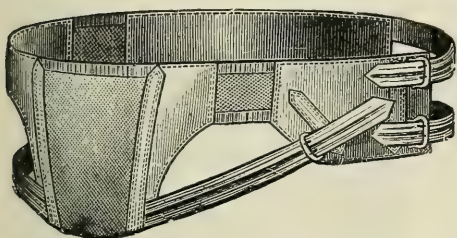


Fig. 870. Silk Front Abdominal Supporter, Small and Medium, \$5.00. See page 663.

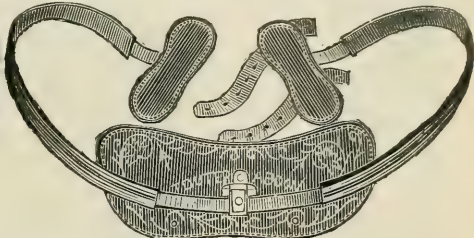


Fig. 878. Fitch Supporter, \$4.00. See page 662.

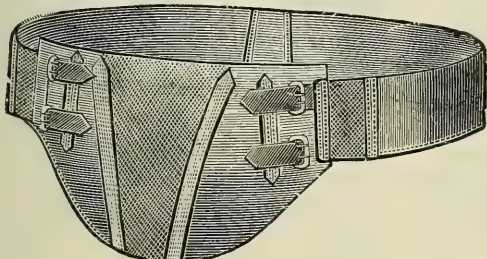


Fig. 872. Extra Large Silk Front Supporters, Heavy, \$6.00. See page 663.

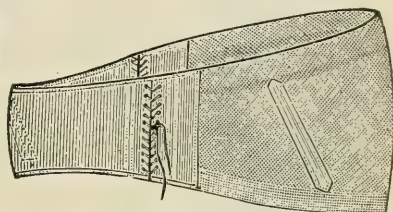


Fig. 884. All Silk Elastic Abdominal Supporter, to Lace, \$10.00 to \$15.00. See page 684.

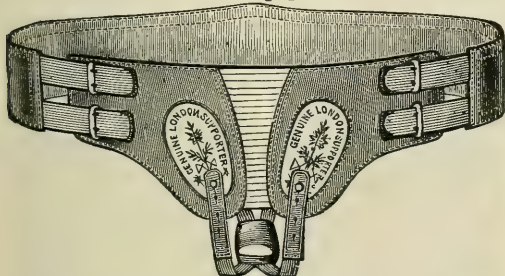


Fig. 874. London Supporter, \$3.00 to \$4.50. See page 662.

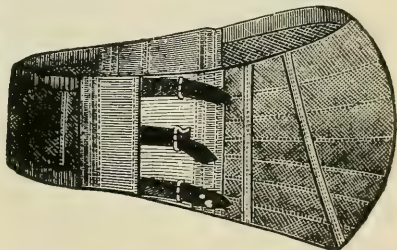


Fig. 885. All Silk Elastic Abdominal Supporter, to buckle, \$10.00 to \$15.00. See page 684.

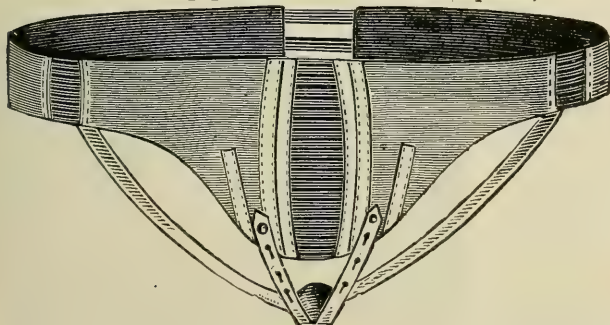


Fig. 876. Improved London Supporter, Manufactured to Order, \$5.00. See page 662.

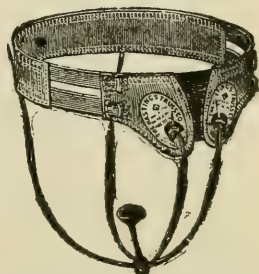


Fig. 887. Hastings' Improved Uterine Supporter. \$5.00. See page 662.

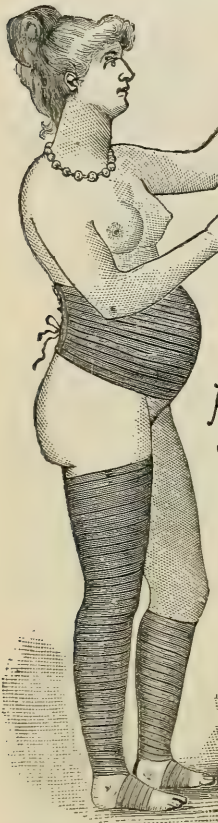
CHAS. TRUAX & CO. GREENE & CO.

THE EMPIRE ABDOMINAL SUPPORTER.

Is superior to all others for the following reasons:

THE EMPIRE UMBILICAL TRUSS.

Is an Abdominal Supporter with Button Inserted at the Navel.



EMPIRE ABDOMINAL SUPPORT.

1st. It adapts itself to every movement of the body, giving strong and even support.

2nd. It produces warmth without irritation or sweating, as it is perfectly ventilated.

3d. In pregnancy, corpulency, tumors or other cases of enlargement of abdomen, it supports the weight of the body from the backbone, relieving the sinews of their overwork.

4th. Its easy appliance [lace and drawn on over the head or feet].

5th. It is cheap, durable. It can be washed if soiled, proper care being taken to cleanse in lukewarm water, and dry in the shade.

In ordering give the measure of the abdomen. The Supporter should be from four to ten inches larger, according to the degree of support required.

THE EMPIRE ELASTIC BANDAGE, SPECIALLY ADAPTED FOR VARICOSE VEINS.

Prices:—8 in. wide, \$2.50
11 in. \$3.00, all silk \$10.00

1st. ITS POROSITY—the greatest in the “Empire.” It never causes itching, rash or ulceration under the bandage.

2d. ITS ELASTICITY, which will enable the surgeon or nurse to put it on at any required tension, and which will follow a swelling up or down, as the case may be, a feature unknown to any other bandage.

3d. ITS ABSORBENT PROPERTIES—greatest in the “Empire.”

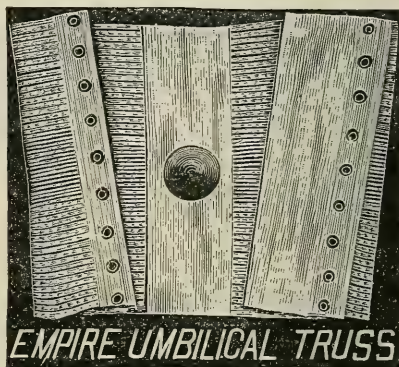
4th. ITS EASY APPLICATION to any part of the body, not being necessary to fold over, as with other bandages, as it follows itself with equal uniformity around any part of the abdomen.

5th. ITS SELF-HOLDING QUALITIES—no bother with pins, needle and thread, or string, so tiresome to surgeons, as simply tucking the end under the last fold insures its permanent stay, until its removal for purpose of cleanliness.

6th. The only bandage that is SUPERIOR to the ELASTIC Stocking for varicose veins;

Send \$1.00 for 3-in. by 5 yard Stretched Bandage.

The above are Net prices to physicians.

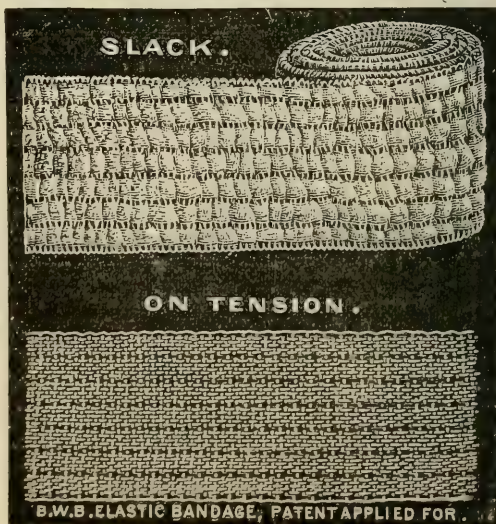


EMPIRE UMBILICAL TRUSS

Is made of the same material and possesses the same merits as the Empire Elastic Bandage and Empire Abdominal Supporters, and is pronounced by all who have seen it to be the BEST IN THE WORLD. All of our goods are sent free by mail upon receipt of price, and money refunded if not satisfactory.

In ordering, give the measurement of the abdomen.

Physicians' Net prices—Infant \$1 25
—Children..... 2 50
—Adults..... 4 00



B.W.B. ELASTIC BANDAGE, PATENT APPLIED FOR.

Orders filled by CHAS. TRUAX, GREENE & CO.

SEE PAGE 663.

Manufactured by the EMPIRE MFG. CO., Lockport, N. Y., U. S. A.



SUPPORTERS AND SUSPENSORIES.

Fig. 890. TRUAX, GREENE & CO'S IMPROVED ABDOMINAL SUPPORTER

Price to patients.....\$10 00; extra large sizes.....\$12 00 to 15 00

See special instructions on page 659; also see page 685.

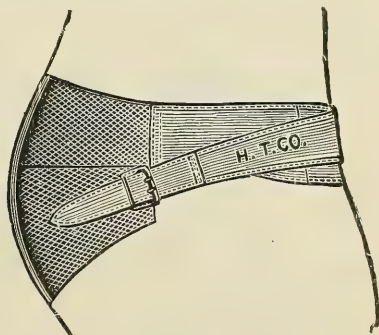
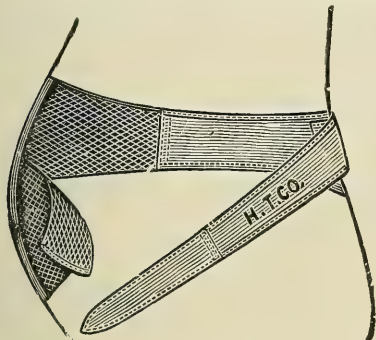


Fig. 890. Truax, Greene & Co.'s Supporter.

This improved form of an abdominal supporter we manufacture only to order, thus filling the wants of that class of patients who desire perfect fitting appliances, even if at a slightly increased price. Their additional cost, however, is more than counterbalanced by their durability, for, being composed of leather, they are much more serviceable than other patterns.

They consist of a kid-covered corset, trimmed with calf-skin and strengthened with stays, so accurately fitted to the body as to form an even and uniform support to the abdomen at all points. Being fitted closely to the body at or just above the iliac crests, they are prevented from slipping downward, while the narrowing of the front where it passes over the pubes, together with elastic perineal bands passing from front to back, prevents them from slipping upwards. They can be made to fit in all cases, and as they never slip, they give universal satisfaction.

cases, and as they never slip, they give universal satisfaction.



No. 891. CHICAGO SUPPORTER.

Silk Elastic Front.....\$8 00 to \$12 00. See page 662

This will be found valuable in cases where the abdomen is large and pendulous. In extreme cases we place the buckle on the lower half, at its lowest border, thus obtaining a complete upward pressure.

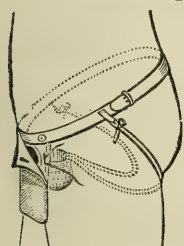


Fig. 892 D.A.B.D.'s

D. A. B. D.'s are used to keep the clothing and bedding from becoming soiled while afflicted with gonorrhœa or gleet, and to support the testicles, thereby relieving the cords, preventing much irritation, and consequent swelling, and assist materially in the cure of the disease.

No. 100—Is the Apron without any suspensory.....each \$0 50

No. 117—Is the Apron with a lisle thread suspensory.. “ 75

No. 119—Is the Apron with a pure silk suspensory..... “ 1 00

See page 663.

HAS TRUAX & CO.

THE DEWEES NATURAL BODY BRACE.

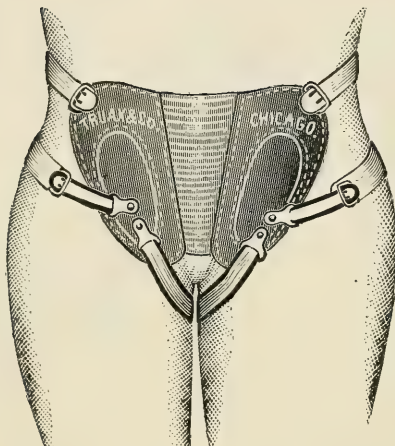


Fig. 894. Front View.

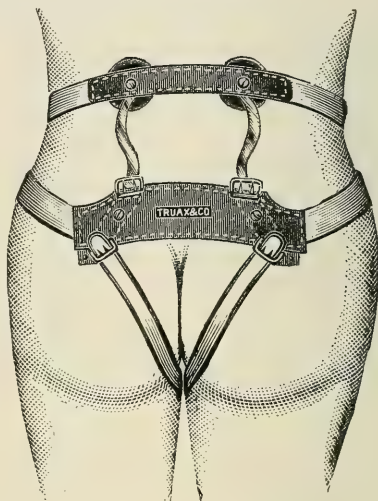


Fig. 894. Back View.

This apparatus was designed by Dr. W. B. Dewees, of Salina, Kas., who christened it the Natural Body Brace, because as an abdominal supporter it exerts its corrective

influence in a natural and proper direction. A good result can only be obtained from a supporter that tends to lift up the prolapsed organs and strengthen the weakened muscles, rather than to act as a simple compressor, as is the case with most patterns in common use.

The most essential feature peculiar to this brace is the two "S"-shaped steel springs that form the support for the brace, and to which are attached at their upper terminals the elastic hip bands that exert upward and inward traction on the abdominal pad. These steel springs each terminate at

THE
NATURAL
BODY
BRACE.



THE
NATURAL
BODY
BRACE.



either end in round pads, neatly covered with fine, soft material, so that however firmly they may rest on the parts, they will produce little or no irritation. No pressure is brought to bear either upon the upper border of the sacrum or the lumbar-spinal processes. The lower pads rest upon, and have, as it were, for their fulcrum,



THE DEWEES NATURAL BODY BRACE.

the gluteal muscles, while the upper ones rest upon the muscles in the dorso-lumbar region, where they are held firmly in place by the elastic bands connecting with the upper portion of the abdominal pad. These elastic bands are made to pass above the iliac crests, thus transferring the weight of the abdomen direct to the spine, where it properly belongs. This brace or supporter is particularly indicated in all cases where there is relaxation of the abdominal muscles or prolapsis of either the pelvic or abdominal viscera.

For those who are inclined to be round-shouldered, we attach to these supporters a shoulder brace, as shown. These shoulder attachments are made of strong material, and so adjusted that they may be detached and the body brace worn separate.

Price of Natural Body Brace, to patients. (see page 662).....\$ 6 00

Price of Natural Body Brace, with shoulder brace..... 8 00

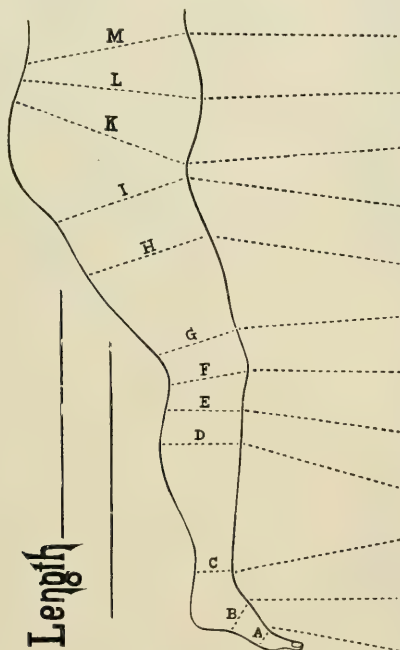


Diagram for Silk Hosiery Measurements.

Diagrams, neatly printed on cards, will be furnished on application. Customers ordering from us should keep themselves supplied with them, in order to lessen the risk of errors in transmitting measurements. Customers will please remember that we keep a small stock of goods, from which to supply immediate wants, but that, unless otherwise specified, we make the elastic goods to order, thus insuring fresh goods and perfect fits. The short delay necessary in making goods to order is a good investment for the purchaser, and all customers should specify "to order."



ELASTIC HOSIERY.

See special instructions on page 551.

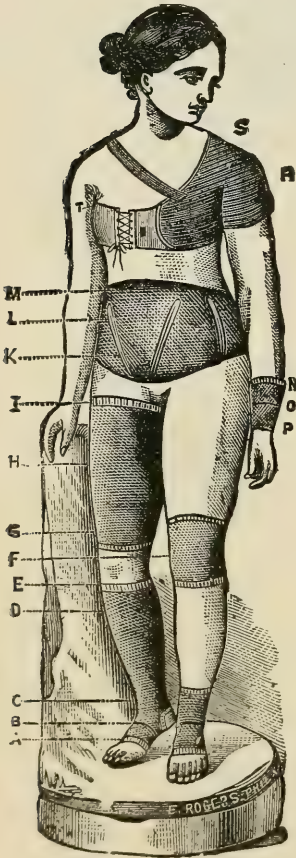
OUR OWN MANUFACTURE.

All goods manufactured to order, and none but the best of stock used. An additional charge always made for extra large sizes.

Prices to Patients for
Single Stockings or Pieces.

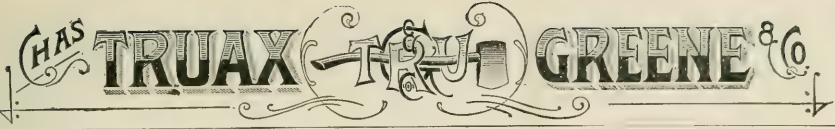
STOCKINGS, elastic (see opposite page).

Thigh hose, extra heavy, silk.....	\$ 9 00
“ fine silk.....	7 50
“ cotton.....	5 75
“ legging, extra heavy, silk.....	7 50
“ fine silk.....	6 00
“ cotton.....	5 25
“ knee cap, extra heavy, silk.....	5 00
“ fine silk.....	4 00
“ cotton.....	3 50
“ piece, extra heavy, silk.....	3 00
“ fine silk.....	2 50
“ cotton.....	2 55
Knee stocking, extra heavy, silk.....	6 50
“ fine silk.....	5 00
“ cotton.....	3 75
“ legging, extra heavy, silk.....	5 00
“ fine silk.....	4 00
“ cotton.....	3 50
“ cap, extra heavy, silk.....	2 50
“ fine silk.....	2 00
“ cotton.....	1 75
Garter stocking, extra heavy silk.....	4 00
“ fine silk.....	3 00
“ cotton.....	2 50
“ legging, extra heavy, silk.....	2 50
“ fine silk.....	2 00
“ cotton.....	1 75
Anklet, extra heavy, silk.....	2 50
“ fine silk.....	2 00
“ cotton.....	1 75
Wristlets, silk.....	\$1 00 to 2 00
“ with hand piece, fine silk.....	2 00
“ heavy silk.....	2 50
Shoulder cap, heavy silk.....	8 00
“ fine silk.....	7 00
“ cotton.....	6 00
Supporters, abdominal, silk.....	\$10-00 to 15 00
“ cotton.....	8 00 to 10 00
“ umbilical, silk.....	7 00
“ cotton.....	5 00
“ with pad, heavy silk.....	\$11 00 to 18 00
Supporters, same, cotton.....	9 00 to 12 00



DIRECTIONS FOR APPLYING ELASTIC STOCKINGS.

Turn the stocking inside out down to the part which covers the foot. Take hold with the thumbs *inside* the folded part, stretching and drawing it on to the foot. Take hold with the thumb of one hand (*inside the fold*) and with the other thumb (*inside the fold*) at the heel, then stretch and roll it over the heel. Take hold at the top of stocking and turn it over the foot as far up the limb as it can be drawn *without forcing it*. Turn down the top of the ankle and insert the thumbs on either side between the limb and the fold in the stocking; stretch and gradually roll it (repeating the process as often as is necessary) until it reaches the proper position without a wrinkle. It should always be worn over a thin stocking.



ELASTIC HOSIERY.

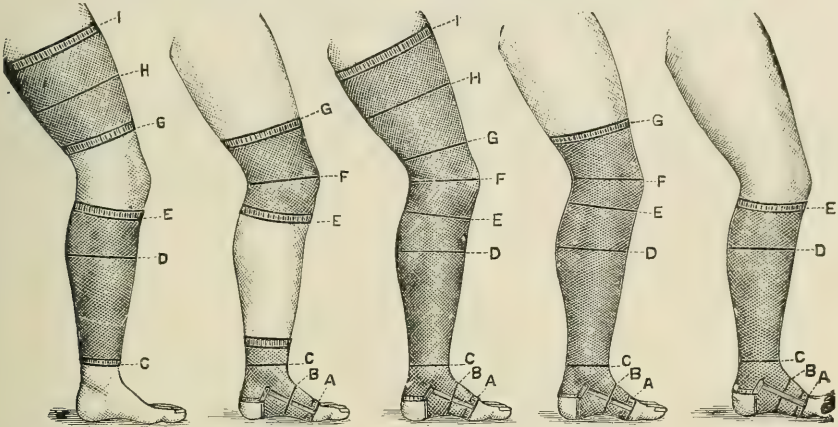


Fig. 895.
Thigh Legging and Garter Legging.

Fig. 896.
Knee Cap and Anklet.

Fig. 897.
Thigh Stocking.

Fig. 898.
Knee Stocking.

Fig. 899.
Garter Stocking.

ELASTIC STOCKINGS, BELTS AND SUPPORTERS.

For the relief and support of varicose veins, weak, swollen or ulcerated limbs, corpulency, abdominal weakness and tumors.

DIRECTIONS FOR MEASUREMENTS,

Which should be taken in the morning, when practicable. Give the exact measurement. We allow for expansion.

Silk goods sent unless others are indicated in the order.

For a Thigh Stocking—Circumference at A, B, C, D, E, F, G, H, I. Length from floor to F, and from F to I.

For a Thigh Legging—Circumference at C, D, E, F, G, H, I. Length from C to F, and from F to I.

For a Thigh Knee-cap—Circumference at E, F, G, H, I. Length from F to I.

For a Thigh Piece—Circumference at G, H, I. Length from G to I.

For a Knee Stocking—Circumference at A, B, C, D, E, F, G. Length from floor to F, and from F to G.

For a Knee Legging—Circumference at C, D, E, F, G. Length from C to F, and from F to G.

For a Knee-cap—Circumference at E, F, G.

For a Garter Stocking—Circumference at A, B, C, D, E. Length from floor to E.

For a Garter Legging—Circumference at C, D, E. Length from C to E.

For an Anklet—Circumference at A, B, C. Length from floor to C.

For a Wristlet—Circumference at N, O, P. Length from N to P.

For an Abdominal Belt—Circumference at K, L, M, and width in front.

For an Umbilical Belt—Circumference at L.

For a Shoulder Cap—Circumference of chest at T; circumference from axilla at S, and from axilla at R; circumference of arm three inches below axilla. State whether for right or left shoulder.

These goods are of the best possible quality, and being manufactured on our own looms expressly for each customer the day the order is received, we can guarantee perfect fits and goods that are actually fresh. Parties who have had trouble in obtaining either serviceable stockings or good fitting ones, are requested to give us a trial.

CHAS. TRUAX, GREENE & CO., 75 AND 77 WABASH AVENUE, CHICAGO, ILL.



STUMP SOCKS, SEAMLESS SHIRTS, RUBBER BANDAGES.

STUMP SOCKS.

Prices for short to medium lengths.
Extra lengths will be charged for according to size.

NET PRICES TO PHYSICIANS.

COTTON, white or colored.....	each	\$0 60
WOOL, white.....	each	75
Germantown.....	each	1 00
for large stumps.....		\$1 25 to 1 50
SILK.....		1 50 to 1 75
for large stumps.....		1 75 to 2 25

SEAMLESS SHIRTS.

For use with Sayre's plaster of paris jackets.

NET PRICES TO PHYSICIANS.

Bust measure, 12 to 20 inches.....	each	\$2 00
“ 20 to 27 “.....	each	2 25
“ 27 to 33 “.....	each	2 50
“ 33 to 40 “.....	each	3 00

Long shirts for open corsets, 25 cents extra.

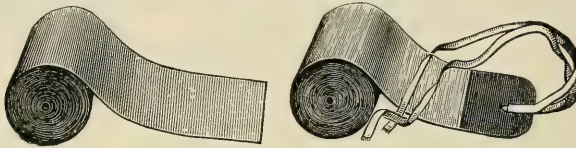


Fig. 900. Rubber Bandages with Tapes.

NET PRICES TO PHYSICIANS.

BANDAGES, rubber, manufactured from pure gum, medium thickness.

2 inches wide by 6 feet long.....	each	\$0 40
2 “ 9 “.....	each	50
2 “ 10½ “.....	each	60
2 “ 12 “.....	each	70
2 “ 15 “.....	each	90
2½ “ 9 “.....	each	60
2½ “ 10½ “.....	each	75
2½ “ 12 “.....	each	90
2½ “ 15 “.....	each	1 05
2½ “ 18 “.....	each	1 20
3 “ 9 “.....	each	75
3 “ 10½ “.....	each	90
3 “ 12 “.....	each	1 10
3 “ 15 “.....	each	1 25
3 “ 18 “.....	each	1 50

RUBBER BANDAGES, extra heavy, for Esmarch's Tourniquets.

3 inches wide by 10½ feet long, with tapes.....	each	1 50
3 “ 15 “.....	each	2 00

We are also prepared to furnish rubber bandages to order from 30 to 60 feet long, or very light or extra heavy ones for special purposes.



FRACTURE APPARATUS.

ROLLER BANDAGES.

These bandages are made from fine quality bleached muslin, washed and ironed. This muslin is finished and especially prepared for this purpose, after which it is thoroughly washed and purified, dried and ironed, and made into bandages. They are thus freed from impurities, and are soft and clean, and of nearly a pure white color. Bleached muslin, as it comes from the mills, contains many impurities, such as bleaching material, dressings, bluing, starch, etc. These are irritating to wounds, and bandages of this kind are unfit for use.

Width.	Length.	Prices.	Width.	Length.	Prices.
1 inch.....	1 yard.....doz.	\$0 10	3 inches.....	4 yards.....doz.	\$0 90
1½ ".....	3 ".....	35	3 ".....	8 ".....	1 65
2 ".....	3 ".....	45	3½ ".....	5 ".....	1 25
2 ".....	8 ".....	1 20	3½ ".....	8 ".....	1 80
2½ ".....	3 ".....	55	4 ".....	6 ".....	1 65
2½ ".....	8 ".....	1 45	4 ".....	8 ".....	2 10

BANDAGES. Roller, unbleached muslin, good quality.

Width.	Length.	Prices.	Width.	Length.	Prices.
1 inch.....	1 yard.....doz.	\$0 06	3 inch.....	4 yards.....doz.	\$0 55
1 ".....	3 ".....	15	3 ".....	8 ".....	1 20
1½ ".....	3 ".....	21	3½ ".....	5 ".....	90
2 ".....	3 ".....	27	3½ ".....	8 ".....	1 40
2 ".....	8 ".....	75	4 ".....	6 ".....	1 25
2½ ".....	3 ".....	35	4 ".....	8 ".....	1 55
2½ ".....	8 ".....	1 00	Assorted, in one-pound boxes..lb.		65

BANDAGES. Roller, best white or red flannel.

Width.	Length.	Prices.	Width.	Length.	Prices.
1½ inches.....	3 yards.....doz.	\$1 25	2½ inches.....	8 yards.....doz.	\$4 45
2 ".....	3 ".....	1 50	3 ".....	4 ".....	3 00
2½ ".....	3 ".....	1 85	3½ ".....	5 ".....	4 25

BANDAGES, Plaster Paris, ready for use.

2 inches wide by 3 yards long,	.....doz.	\$0 70
2 ".....	6 ".....	1 25
2½ ".....	3 ".....	85
2½ ".....	6 ".....	1 40
3 ".....	3 ".....	90
3 ".....	6 ".....	1 50



Fig. 903. Esmarch's Fracture Bandages.

Bandages, Esmarch's, in pairs, each with illustrations showing Esmarch's methods for applying the same to fractures, Fig. 903.....pair \$0 40



FRACTURE APPARATUS.

BANDAGE ROLLERS, fine, on walnut base, Fig. 934	\$2 25
For plaster of paris bandages, Fig. 905 ..	7 50
Crocker's, Fig. 932	4 50
Jackson's, Fig. 933	1 00
Plain	1 00
FORCEPS, Luxation, Charriere's	6 75
“ Collins', Fig. 936	3 00
“ Luer's,	6 75
“ plain, Fig. 935	3 00
KNIFE AND WEDGE, for removing bandages, Esmarch's, aseptic, Fig. 924 ..	1 75
KNIFE, Ridlon's pocket, Fig. 904. Ivory Handle, \$2.00; Buck Horn Handle, ..	1 75
PEGS, ivory, for ununited fractures	50
PLASTERS, see index.	
PULLEYS AND CORD, for extension, Fig. 937	3 00
SHEARS, Lister's plain, for cutting bandages, clothing, etc., same as Fig. 926.	2 00
“ “ “ “ “ “ small	1 50
Plaster bandage, Brun's, Fig. 925	6 00
“ “ Esmarch's, Fig. 926	2 00
“ “ Gowan's, Fig. 828	10 00
“ “ Henry's	5 00
“ “ Lister's, Fig. 926	2 50
“ “ Sayre's	5 00
“ “ Wackenhager's	4 50
“ “ Wight's, Fig. 927	2 50
“ “ Szymanowski's	6 75
SPLINT-MATERIAL, felt, best quality surgical	per square yard 5 00
Felt, hatters', 5-ply	“ “ “ 4 00
“ “ 7-ply	“ “ “ 5 00
Gutta percha. $\frac{1}{8}$ inch thick, in sheets	per lb. 2 00
The price of this article is subject to fluctuation.	
Binders' board	per sheet 10

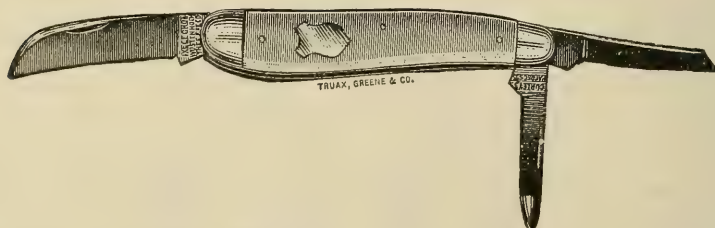


Fig. 904. RIDLON'S PLASTER KNIFE, IVORY HANDLE, \$2.00.

The large blade is a short pruning blade of extra thickness in the shank and thin at the point for use in cutting down plaster corsets and such splints as the surgeon may desire to preserve in perfect shape. The pen-blade is used when it is not desired to preserve the jacket or splint. Being entered obliquely, layer by layer of the plaster bandage rises as it is cut through, all troublesome wedging of the knife is avoided, and the chances of wounding the patient are lessened. The third blade is a nail file with Curley's patent burnisher.

HAS TRUAX & CO. GREENE & CO.

FRACTURE APPARATUS.

THE BELLEVUE PLASTER OF PARIS BANDAGE ROLLER.

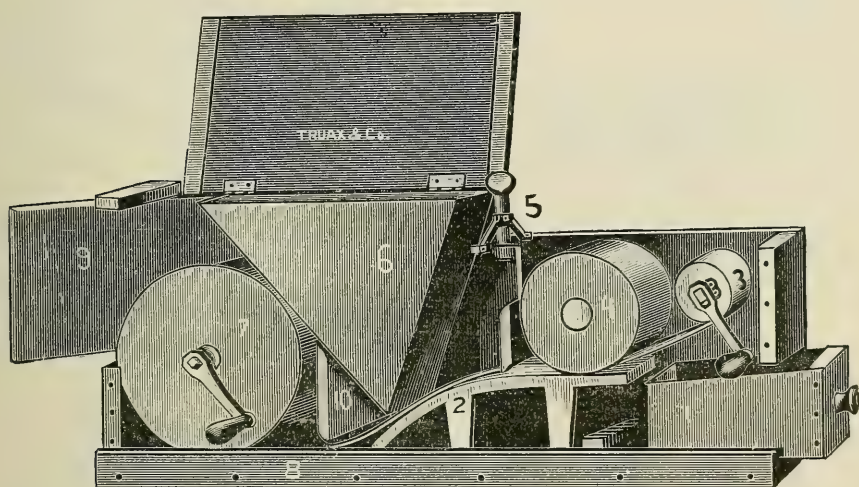


Fig. 905.

This machine is the best and most convenient Plaster of Paris Bandage Roller in the market. It is perfect in its workings, strong and well made, rolls a bandage evenly and fills it with plaster better and faster than can be done in any other way, and without dust or inconvenience to the operator. Any person familiar with working the machine can roll bandage enough in ten minutes for a plaster jacket or an immovable apparatus for the entire leg, and without soiling the clothes. Any surgeon who has ever tried to make a plaster bandage, by spreading plaster on the bandage and rubbing it into the bandage with a knife or spatula, knows what a slow, tedious, dirty way it is of making them, and few surgeons in private practice care to spend the time to properly prepare them. Since Prof. Sayre introduced the plaster jacket in the treatment of spinal disease and curvature of the spine, and the immovable apparatus has come into such general use in our best hospitals, the profession at large has become convinced of its value, and every progressive surgeon has almost daily use for the plaster bandage. We have endeavored to make this machine perfect in every way, of good material, well finished, and so simple in its operation that any person can understand and work it. The machine is eighteen inches long, five and one-half inches wide, and eight inches high. We will send full printed directions for working with each machine.

Price, boxed ready to ship.....\$7 50

HAS TRUAX GREENE & CO.

FRACTURE APPARATUS.



Fig. 924. Esmarch's Knife and Wedge, all metal, \$1.75. See page 688.

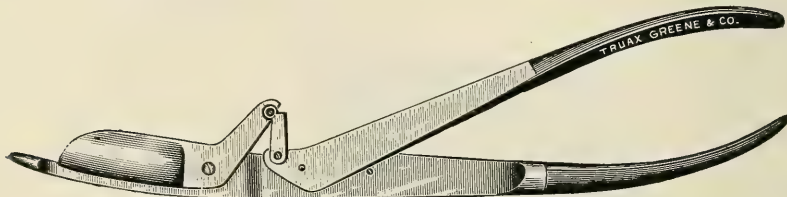


Fig. 925. Brun's Plaster Shears, all metal, \$6.00. See page 688.



Fig. 926. Esmarch's Bandage Shears, \$2.00. See page 688.

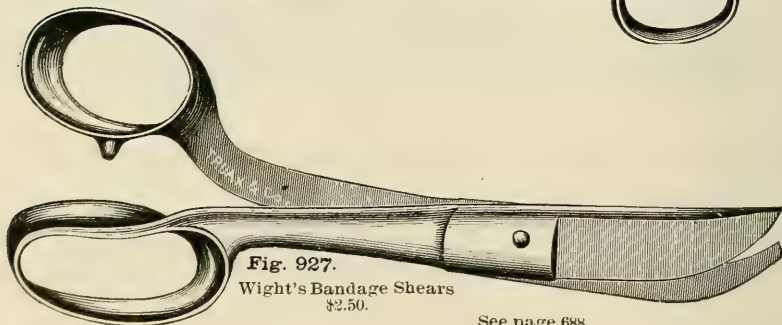


Fig. 927.
Wight's Bandage Shears
\$2.50.

See page 688.

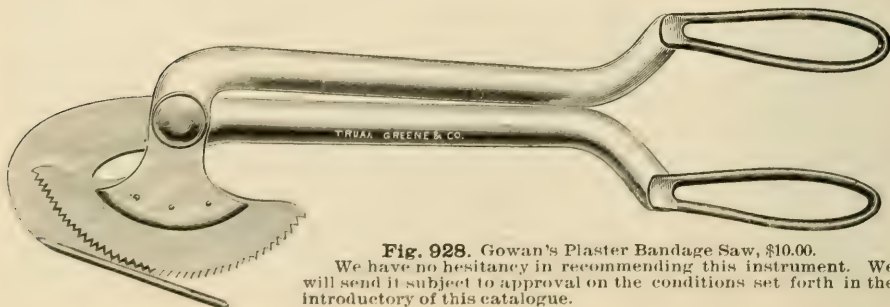


Fig. 928. Gowan's Plaster Bandage Saw, \$10.00.
We have no hesitancy in recommending this instrument. We will send it subject to approval on the conditions set forth in the introductory of this catalogue.

FRACTURE APPARATUS.

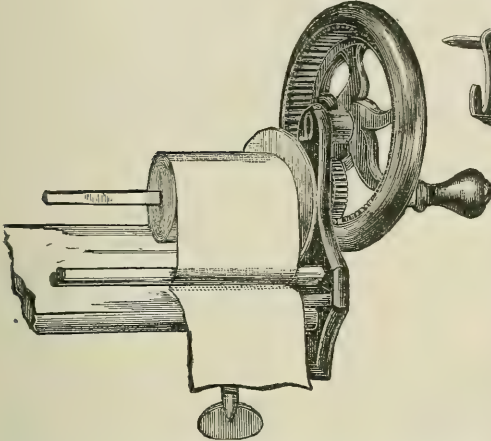


Fig. 932. Crocker's Bandage Roller, \$4.50. See page 688.

This is the only Geared Bandage Roller (Fig. 932) suitable for Hospital use. It is particularly designed for physicians and institutions requiring a large amount of work from such an appliance.

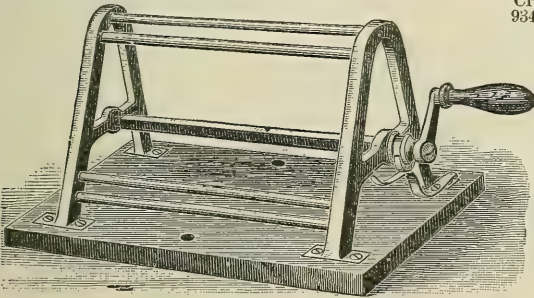


Fig. 934. Plain Bandage Roller, \$2.25. See page 688.

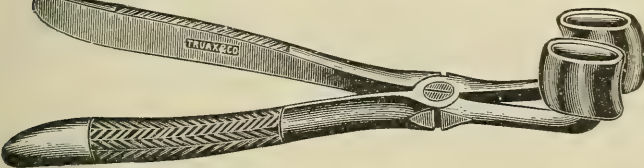


Fig. 935. Luxation Forceps, with rubber covered jaws, \$3.00. See page 688.

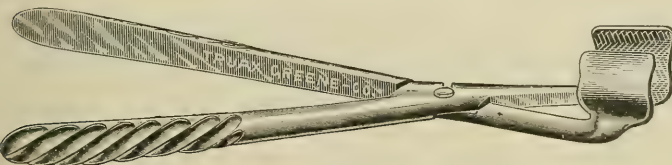


Fig. 936. Collins' Luxation Forceps, \$3.00. See page 688.



Fig. 933. Jackson's Bandage Roller, \$1.00. See page 688.

This petite Bandage Roller (Fig. 933) is the design of Dr. Wm. Jackson, of Plymouth, Ind. Its advantages consist in its compactness and simplicity. It is only five inches in extreme length and weighs less than two ounces. It is quite compact, and therefore suitable for carrying in an emergency bag, with bandages from one to three inches wide, which may be rolled tightly and with smooth, even ends. They may easily be removed from the roller, thus rendering the work rapid. We recommend them to those of our customers who desire a roller smaller and cheaper than Crocker's or the plain one shown by Fig. 934.

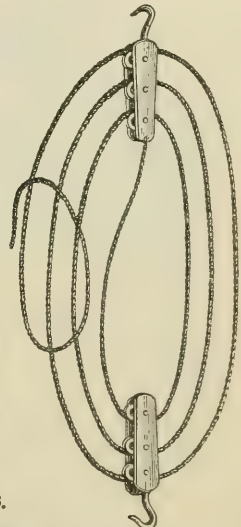


Fig. 937. Pulleys and Cords for Dislocations, \$3.00.



LEE'S METALLIC SPLINTS.

No. 1. RADIUS SPLINTS—RIGHT AND LEFT.

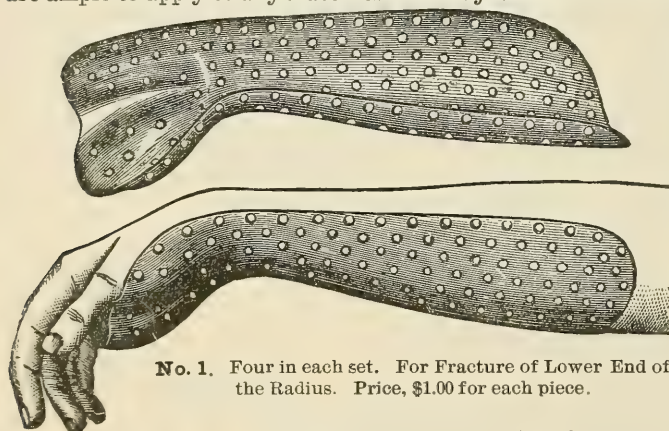
AS USED BY R. J. LEVIS, M. D.

INDESTRUCTIBLE, PERFORATED AND NICKEL-PLATED.

Recommended and used in all the civilized countries on the globe, by more than one hundred thousand (100,000) surgeons.

The Copper used in the manufacture of these Splints being less than *one-eightieth* of an inch in thickness, makes them *very light* and readily conformable by bending so as to suit the peculiarities of any limb, and yet the Splints when applied are as firm as the heaviest wooden appliances. They fit so accurately that but little padding is required; a piece of woven lint, or of cotton or woollen flannel, is all that is necessary for their lining. A slight roughness is left on the outside of the Splints, by perforations, to prevent the bandage from slipping.

These Splints are cooler, lighter in weight, thinner in material, more correct in shape and more perfect in fit than any other Splints offered to the profession. They are all made in two sizes, one size for adults and one for children, except Nos. 1 to 9, inclusive, which are also made in infants' size, and all, except the radius, fit the same on either the right or left limb. The following comprise a complete set, and are ample to apply to any fractures that may occur:



No. 1. Four in each set. For Fracture of Lower End of the Radius. Price, \$1.00 for each piece.

They are *invaluable* when the parts are lacerated, as the *perforations* allow *ventilation* and *secretions* are not confined and *liable* to be absorbed, as in every other kind of splints, but readily pass off through the numerous orifices. They do not become offensive, like those made of porous materials.

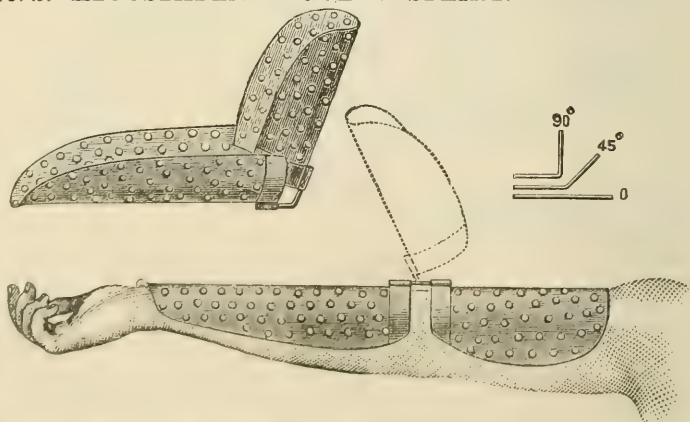
They are Nickel-plated to prevent oxidation.

No. 2. ADJUSTABLE ANGULAR SPLINT.

This Splint can be applied either anteriorly or posteriorly, and is conformable and adjustable to any angle.

The pieces are detachable, and can be used separately.

This Splint is also applicable to diseases and to resections of the elbow joint.



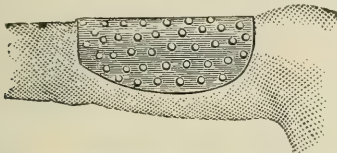
No. 2. Two in each set. For all Fractures of the Elbow Joint, and of the Arm and Forearm, excepting those of the Lower End of the Radius. Price \$1.50 each.

LEE'S METALLIC SPLINTS.

No. 3. HUMERUS SPLINT.

Two in each set.

Price, each.....\$0 50



No. 3. For fractures of the humerus.

No. 4. PHALANGES SPLINT.

Three in each set.

Price, each piece.....\$0 15

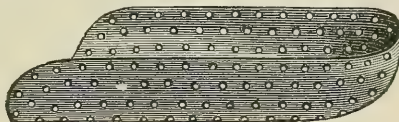


No. 4. For fractures of fingers or toes.

No. 5. CLAVICLE SPLINT.

Two in each set.

Price, each\$0 75



No. 5.

No. 6. MAXILLA SPLINT.

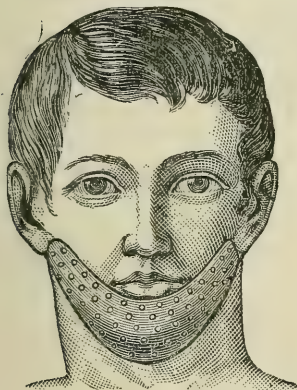
Two in each set.

Price, each\$0 75

No. 7. FEMUR SPLINT.

Two in each set.

Price, each\$0 50



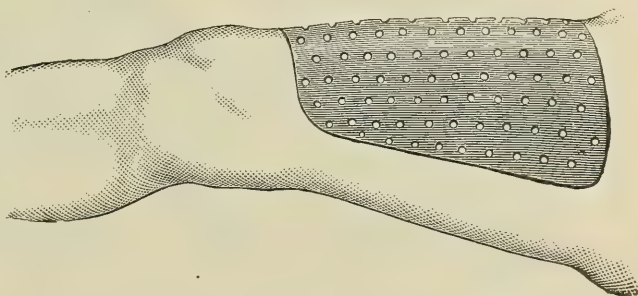
No. 6.

No. 8. PATELLA SPLINT.

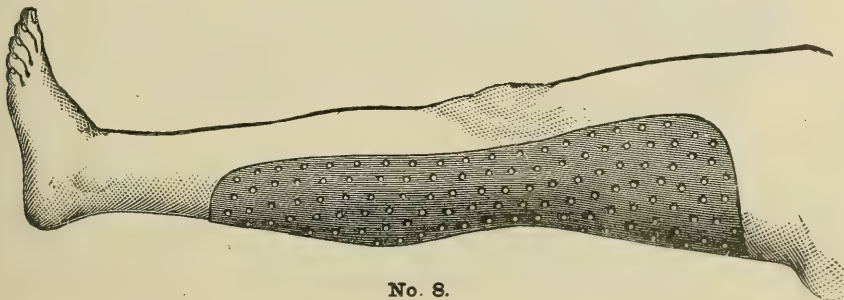
Two in each set.

Price, each.....\$1 00

This splint can be applied to all fractures from middle of femur to middle of tibia and fibula, and is particularly well adapted for fractures of the patella and all other fractures occurring near the knee joint, either above or below it.



No. 7. For fractures of femur, ribs and hip joint.



No. 8.

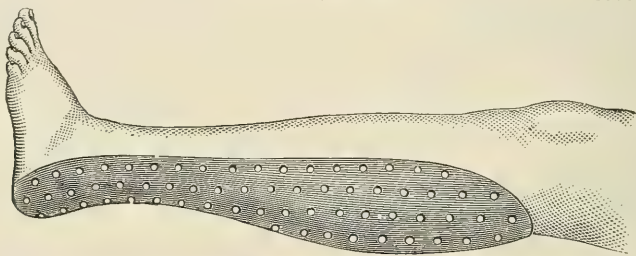


LEE'S METALLIC SPLINTS.

NO. 9. TIBIA AND FIBULA SPLINT.

Two in each Set.

Price, each.....\$1 00



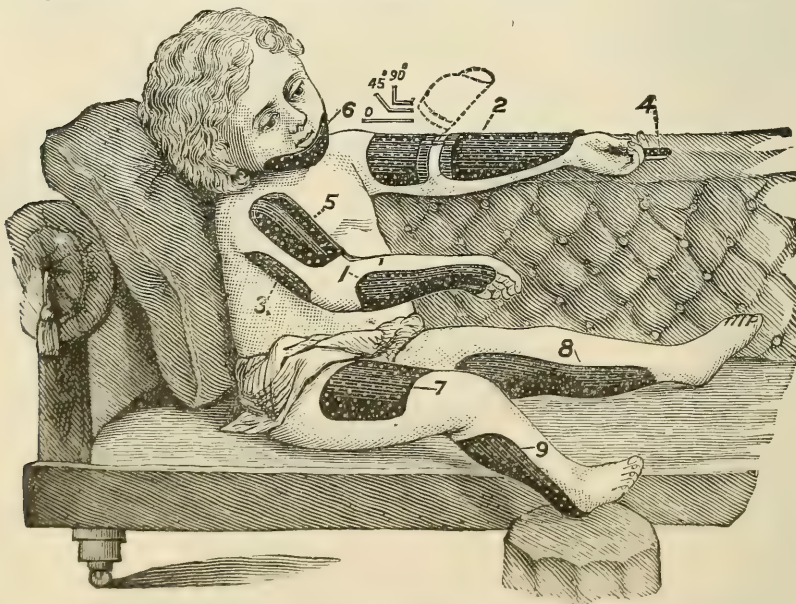
No. 9. For all Fractures and other Injuries of the Leg below the Knee, and especially adapted for those at or about the Ankle Joint.

The Levis Set consists of the twenty-one pieces just described, in a neat, compact case. Price, \$15.00 per Set.

LEE'S SPLINTS.—SET FOR INFANTS.

THE ONLY INFANT SET OF SPLINTS IN THE MARKET.

This set consists of ELEVEN PIECES, and is only intended for infants of three years of age and under. They are manufactured in the same shapes as the larger set, No. 1, previously described, being in rights and lefts and other shapes, to fit either or both limbs.



PRICE TO PHYSICIANS.

No. 1—Price, each.....	\$0 75	No. 4—Price, each.	\$0 10	No. 7—Price, each.	\$0 25
" 2— " "	1 00	" 5— " "	50	" 8— " "	75
" 3— " "	25	" 6— " "	50	" 9— " "	75

The above set contains eleven pieces, put up in a walnut case net price, \$5 00
This infant set will never be included in the regular adult and children set, unless so specified in the order.

Dr. Levis' set of twenty-one pieces as described on pages 692-3, and his infant set of eleven pieces, as also mentioned, combined in one set, thirty-two pieces in all, put up in one case, net price.....\$18 00

HAS **TRUAX** *TRY* **GREENE** & *CO.*

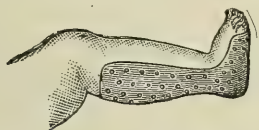
LEE'S METALLIC SPLINTS.

No. 10. LEE'S PATENTED METALLIC SPLINT.

Two in a Set.

AS USED BY R. J. LEVIS, M. D.

Price, each piece..... \$0 75



No. 10. A new splint for treatment of club foot and weak ankles.

No. 11. H. A. WILSON'S METACARPAL SPLINT.

Four in each Set.

Two for Adults and Two for Children.

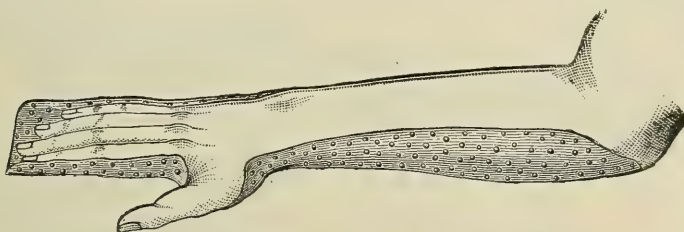
Price, each.....\$0 75



No. 12. COMBINED FORE-ARM SPLINT.

Rights and Lefts. Four in each Set. Adults and Children.

Price, each.....\$1 00

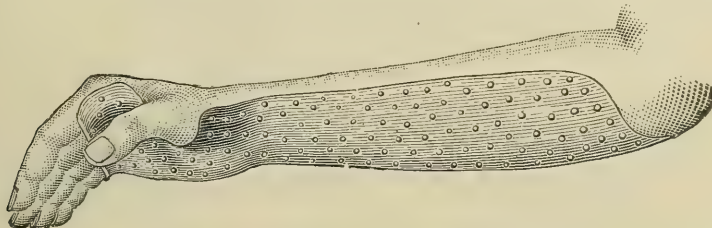


No. 12. For all Fractures and Injuries of Fore-Arm, Hand and Fingers.

No. 13. COMBINED FORE-ARM SPLINT. (IMPROVED BOND'S SPLINT.)

Rights and Lefts. Four in each Set. Adults and Children.

Price, each.....\$1.00



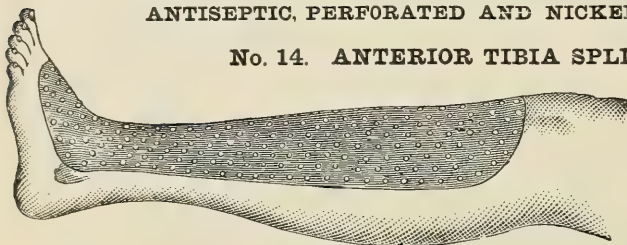
No. 13. For all Fractures and Injuries of Fore-Arm and Hand.



LEE'S METALLIC SPLINTS.

ANTISEPTIC, PERFORATED AND NICKEL-PLATED.

No. 14. ANTERIOR TIBIA SPLINT.



No. 14.

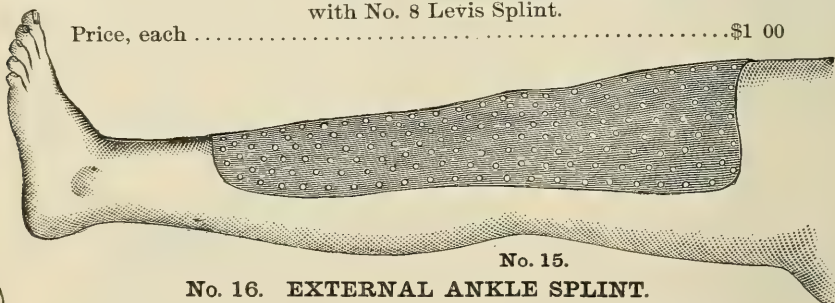
Two in each set.
Adults and children.
Can be used separately
or in combination with
No. 9 Levis Splint.

Price, each\$1 00

No. 15. ANTERIOR PATELLA SPLINT.

Two in each set. Adults and children. Can be used separately or in combination with No. 8 Levis Splint.

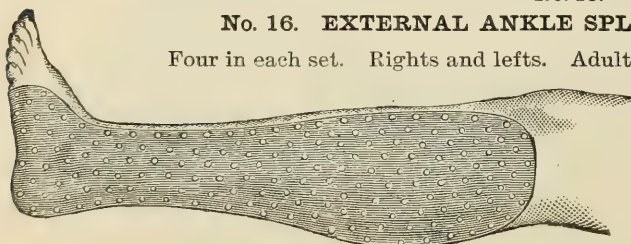
Price, each\$1 00



No. 15.

No. 16. EXTERNAL ANKLE SPLINT.

Four in each set. Rights and lefts. Adults and children



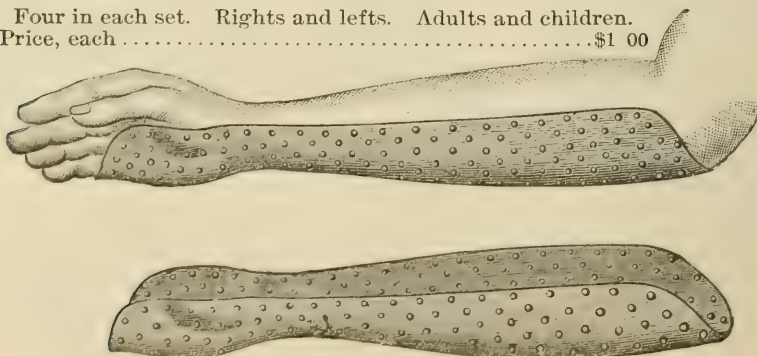
This is designed to
replace the old-fash-
ioned wooden splint.

Price, each\$1 00

No. 16.

No. 18. ULNA OR FORE-ARM SPLINT.

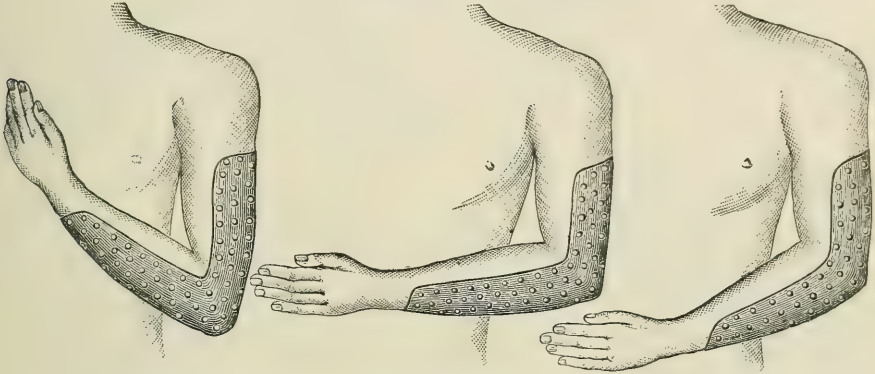
Four in each set. Rights and lefts. Adults and children.
Price, each\$1 00



No. 18.

HAS TRUAX & GREENE & CO.

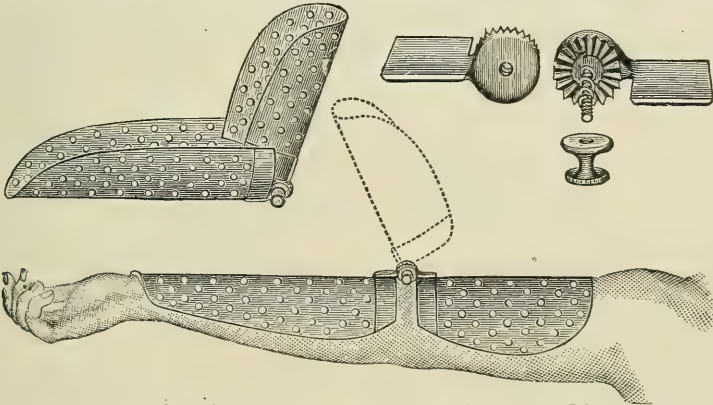
LEE'S METALLIC SPLINTS.



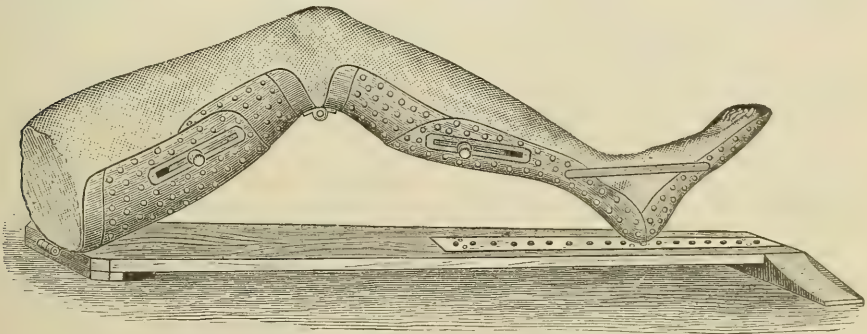
No. 19. POSTERIOR EL-BOW SPLINT.
Acute angle. Two in each set.
Adults and children.
Price, each.....\$1 00

No. 20. POSTERIOR EL-BOW SPLINT.
Right angle. Two in each set.
Adults and children.
Price, each.....\$1 00

No. 21. POSTERIOR EL-BOW SPLINT.
Obtuse angle. Two in each set.
Adults and children.
Price, each.....\$1 00



No. 22. ADJUSTABLE ANGULAR SPLINT.
Two in each set. One each, adults and children. Price, each.....\$1 50



No. 23. DOUBLE INCLINED-PLANE SPLINT.
Two in each set. One each, adults and children. Price, each.....\$5 00



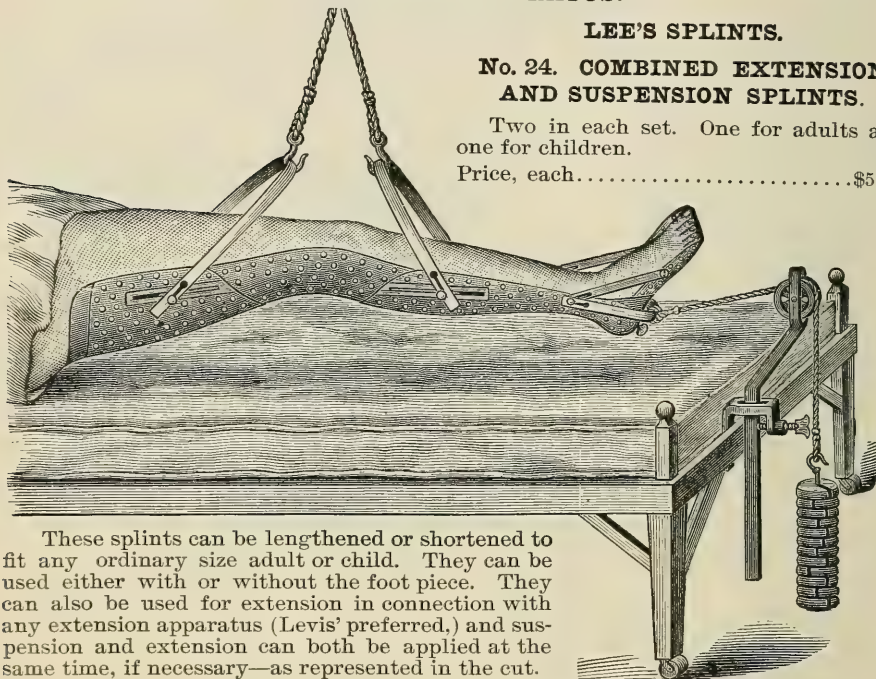
FRACTURE APPARATUS.

LEE'S SPLINTS.

No. 24. COMBINED EXTENSION AND SUSPENSION SPLINTS.

Two in each set. One for adults and
one for children.

Price, each.....\$5 00



These splints can be lengthened or shortened to fit any ordinary size adult or child. They can be used either with or without the foot piece. They can also be used for extension in connection with any extension apparatus (Levis' preferred,) and suspension and extension can both be applied at the same time, if necessary—as represented in the cut.

A FULL AND COMPLETE SET

of all the herein described splints consists of (75) seventy-five pieces, 31 for adults, 31 for children, and 13 for infants. They are packed in a neat cherry case, 38 inches long by 13 inches wide, by 13 inches deep, outside measurement, and weigh, packed, 42 pounds. They consist of the following sizes and numbers:

No.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Total.
Adults	2.	1.	1.	2.	1.	1.	1.	1.	1.	0.	2.	2.	2.	1.	1.	2.	2.	2.	1.	1.	1.	1.	1.	1.	31
Child'n	2.	1.	1.	2.	1.	1.	1.	1.	1.	0.	2.	2.	2.	1.	1.	2.	2.	2.	1.	1.	1.	1.	1.	1.	31
Infants	2.	1.	1.	2.	1.	1.	1.	1.	1.	2.															13

Price for above 75 pieces in case, \$60.00.

Total, 75

LEE'S SET OF (40) FORTY PIECES.

This set has been chosen out of all the various kinds with great care and consideration, and will be found applicable to every fracture.

This set comprises the following assortment:

No.	1.	2.	3.	4.	5.	6.	7.	8.	9.	13.	14.	15.	18.	20.	22.	Total.
Adults	0.	0.	1.	2.	0.	1.	1.	1.	1.	2.	1.	1.	2.	1.	1.	15
Children	0.	0.	1.	2.	0.	0.	1.	1.	1.	2.	1.	1.	2.	1.	1.	14
Infants	2.	1.	1.	2.	1.	1.	1.	1.	1.	0.	0.	0.	0.	0.	0.	11

Total pieces in set, 40

The forty (40) pieces consist of 15 pieces for adults, 14 pieces for children, and 11 pieces for infants, all put up in a neat, cherry case, with nickel-plated handle.

Size of case, 18 inches long, by 9 inches wide, by 9 inches deep, outside measurement. Total weight, packed, 14 pounds. Price, complete in case as above, \$25.00.

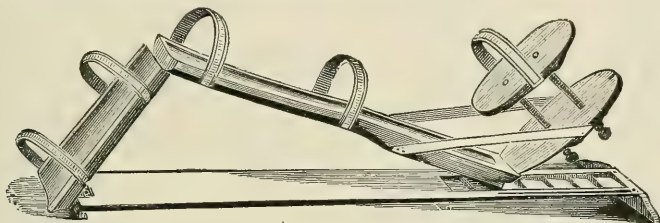
This set can be had without the infant set if wanted that way. This will leave 29 pieces (for adults 15, and for children 14). Price, for set without infants, \$20.00.

HAS TRUAX & GREENE & CO.

FRACTURE APPARATUS.

CARVED WOOD SPLINTS.

The complete set comprises 54 pieces, applicable in every case where a splint can be used. The principal material is wood, carved to fit every limb, and all sizes from infant to adult. They are light, simple and durable.



Double Inclined Plane Splints. 1 Large, \$4.50; 1 Medium, \$3.75; 1 Small, \$3.00.



One Long Extension Splint and Foot. Price, \$5.00.

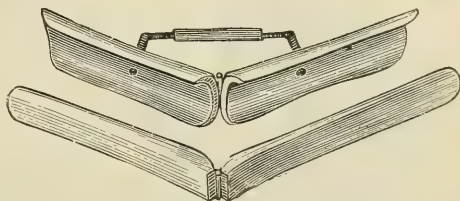


Eight Radius Splints. 4 right and 4 left arm. Price, 45c. each. The Interosseous Splints are used with these.

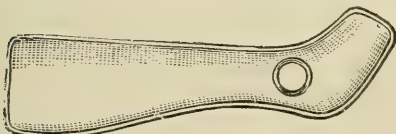


Six Fore-arm Splints. Applicable to either arm. Price, 45c. each. The Interosseous Splints are also used with these.

Five Interosseous Splints. Used in connection with the Radius and Fore-arm Splints. Price, 45c. each.



Three Jointed Arm Splints. Three Condyle and Humerus Splints. Applied as per cut to either arm. Price, per pair, \$2.00.



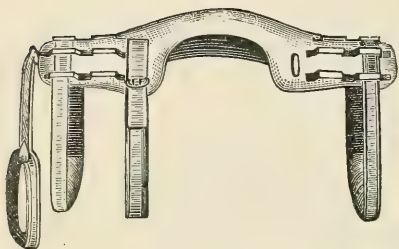
Twelve Ankle Splints (one set) \$8.50. Each Splint is marked, and they are used in pairs. There are three sizes, inside and outside right, and three sizes inside and outside left leg. Price, per pair, \$1.50.

HAS TRUAX & GREENE

FRACTURE APPARATUS.

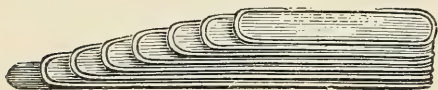
TWO CLAVICLE SPLINTS.

Large, \$3.50. Small, \$3.00. This splint has been often used, and always with the most gratifying results.



SEVEN DRESSING OR COAPTATION SPLINTS.

Used with long extension splint in dressing fracture of thigh or leg. 55c. for package of seven.



FOUR PATELLA SPLINTS.

75c. each. A complete appliance for treatment of fracture of patella, or any injury about the knee. Use "figure eight" bandage.



THE FULL AND COMPLETE SET OF 54 PIECES, SECURELY PACKED
IN FINE CASE, \$35.00 NET.

Fig. 940. HAMILTON'S BRACE FOR THE TREATMENT OF FRACTURE OF THE LOWER MAXILLARY.



Price to patients.....\$ 5 00

" " silk, extra fine..... 12 00

See special instructions on page 551.

A firm leather strap passes under the chin, and is buckled over the top of the head. It is stayed by two counter-straps of strong webbing. One of these is looped upon the maxillary strap at a point just above the ears, and may be elevated or depressed to fit different heads. This strap is buckled under the occiput posteriorly, and across the forehead anteriorly. A vertical strap passing over the top of the head in the line of the sagittal suture, unites the maxillary and the occipital strap. To prevent the maxillary strap being displaced backward, a chin piece is fastened to it.

MEASUREMENTS REQUIRED.

Circumference of head as indicated by bandages on cut.

Fig. 940. Hamilton's Brace for Fracture of the Lower Maxillary.

CHAS. TRUAX & CO. GREENE & CO.

FRACTURE APPARATUS.

Fig. 943. RICHARDSON'S APPARATUS FOR FRACTURED CLAVICLE.

Price to patients.....\$5 00

It is composed of three parts and has three points of attachment, viz.: the side, axilla and arm. The arm and body pieces are semi-cylindrical in shape, with sufficient space left between them to allow the passage of straps of adhesive plaster. The crescentic pad is received as a crutch in the axilla.

For fracture of the clavicle, the crutch is crowded firmly in the axilla, and the arm-piece secured to the arm by circles of adhesive strips; the shoulder is then raised, and the arm carried backwards until the fragments are brought into position, when the body-splint and crutch are secured alike by strips of plaster. If thought desirable, one strap may be passed over the opposite shoulder. For fracture of the scapula, the arm is carried forward instead of backward, before the splint is secured to the side. For fracture of the humerus, the arm is secured in its most natural and easy position.

After the splint has been applied, the arm may or may not be flexed at a right angle on the chest, and supported by a sling from the neck.

Four sizes of this splint are made, two for adults and two for children.

Fig. 945. SAYRE'S DRESSING FOR FRACTURED CLAVICLE.

Price to patients....\$6 00

This appliance consists of two axilla and shoulder pads attached to a back piece, as shown in the illustration.

Fig. 948. LEVIS' SPLINT FOR FRACTURES OF THE CLAVICLE.

Price to patients....\$5 00

It consists of a short, firm pad in the axilla, by which the shoulder is held from the side and over which, as a fulcrum, the elbow is drawn to the side. To the front and back of the axillary pad are fastened straps, which pass directly upward, and are buckled to a wide main supporting band which passes from the shoulder across the upper part of the back, and over the shoulder of the sound side, and terminates on the front of the chest. To the front end of the wide supporting band is suspended a sling by which the elbow is supported. On the back of the sling, at a short distance above the point of the elbow, a strap is attached, which passes obliquely across the back, and coming in front, is buckled to the main supporting band. The extra buckle, which will be noticed at the front end of the wide band, comes in use when the apparatus is reversed for the opposite shoulder. In ordering, state whether for infant, child or adult.

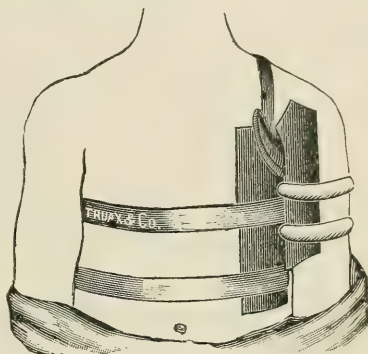


Fig. 943 Richardson's Apparatus for Fractured Clavicle.

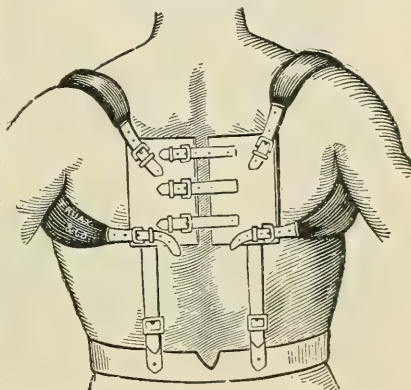


Fig. 945. Sayre's Dressing for Fractured Clavicle.

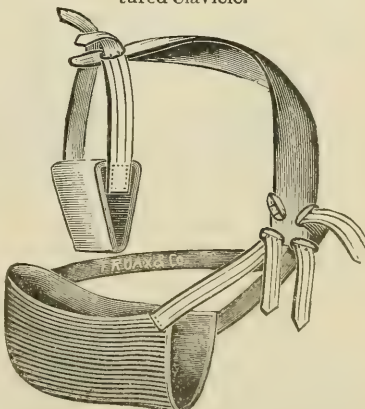


Fig. 948. Levis' Clavicle Splint. See special instructions on page 551.

HAS TRUAX & GREENE & CO.

FRACTURE APPARATUS.

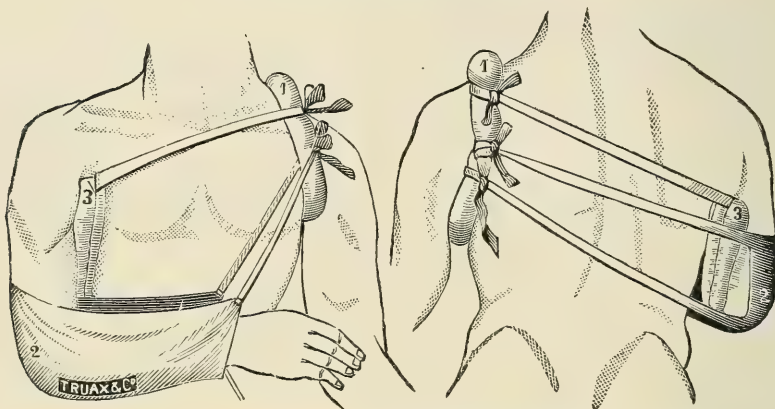


Fig. 951. FOX'S DRESSING FOR FRACTURED CLAVICLE.

Price to patients, \$8.00. See special instructions on page 551.

Fox's dressing for a fractured clavicle consists of an axilla pad, a stuffed leather frame and a sling. It is not only one of the most effective, but the most comfortable of the clavicle splints. In ordering, state whether for an infant, child or adult.

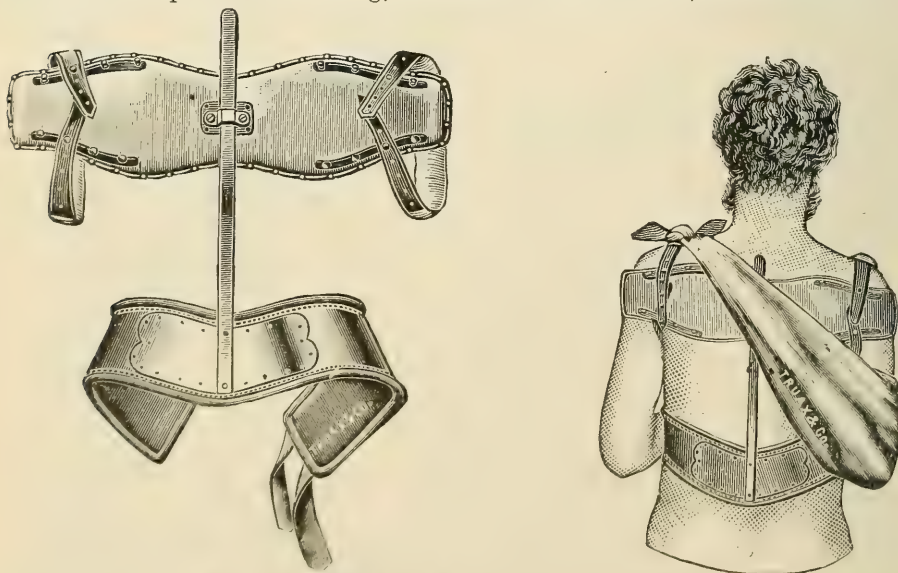


Fig. 952. STAPLE'S CLAVICLE SPLINT.

Price to patients, \$20.00. See special instructions on page 551.

This excellent apparatus consists of a broad pelvic band narrowed at its upper margin so that it rests firmly and easily on the hips and iliac crests. To this is attached an upright steel bar that sustains and holds in place a broad scapular pad, terminating in its extremities in two axillary bands, padded so as not to cause irritation.

Directions for measurement, same as for Fig. 581.



FRACTURE APPARATUS.

Fig. 953. CURTIS' CLAVICLE SPLINT.

Price to patients.....\$8 00

The crutch-head of this appliance is of wood, mounted on a round extension bar of steel, and is controlled by a set screw, which renders it applicable to either side. The lower end of the extension bar is attached to the waistband by a pivot-joint, and the proper elevation of the injured shoulder is maintained by a suspensory strap passing over the opposite shoulder. The shoulder is held back by a strap from the upper end of the extension-bar passing around the opposite shoulder, as shown in the cut, thus doing away with the application of any pressure of the dressings upon the injured side. In Fig.

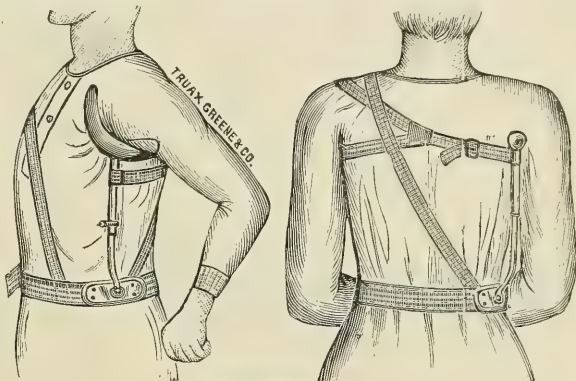


Fig. 953.

953 the arm is carried back for the purpose of showing the method of applying the instrument. The arm should be at first confined by a sling, or simply pinning the sleeve to the clothing. The advantages claimed are, that it fulfils the indications, keeping the shoulders up and back, with the utmost possible comfort. It does away with the discomfort and futility of adhesive straps, may be applied outside the clothing if desired, and after partial union has taken place limited use of the arm may be permitted. It is light, easy of application, does not slip or get out of place, is not at all uncomfortable to wear, and, in short, does the work. The appliance is made in two sizes.

Fig. 954. HEWETT'S SPLINT FOR COLLE'S FRACTURE.

Price to patients.....\$7 00

See special instructions on page 551.

This splint is designed, in addition to its function as a retentive splint, to promote passive motion in the fingers and wrist-joint, as well as to give support to the hand.

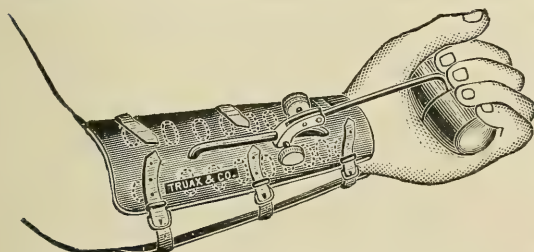


Fig. 959. Jewett's Splint for Colle's Fracture.

It accomplishes these objects, as will be seen by the cut, by means of the rod connected with the ball grasped by the hand, and is joined to the sliding-bar on face of the splint by ball and socket joint. This joint enables the hand to make limited motions of flexion and extension, and also of pronation and supination. The natural tendency to relax and contract the fingers promotes this intention.

In ordering, state whether for child or adult, right or left arm, and give circumference of wrist and middle of fore-arm.

HAS **TRUAX & CO.** *GREENE*

FRACTURE APPARATUS.

Fig. 955. WIRE ARM SLING AND FORE-ARM SPLINT.

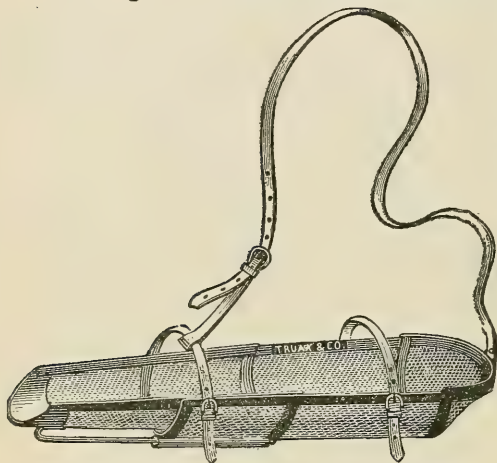


Fig. 955. Wire Arm Sling and Fore-arm Splint

Price to patients.....\$5 00
See special instructions on page 551.

Constructed with sliding extension for the hand to facilitate passive motion of the wrist without removing the support. It is made of wire gauze fastened to a frame. It may be used for either arm and forms a very comfortable sling.

In ordering, state whether for infant, child or adult.

Fig. 956. BANCROFT'S ARM SPLINT.

Price to patients.....\$20 00
See special instructions on page 551.

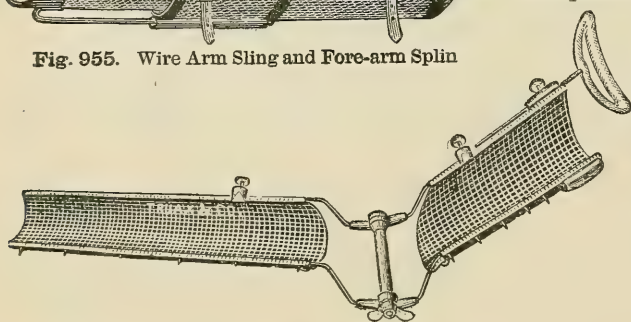


Fig. 956. Bancroft's Arm Splint.

This splint consists of a metal frame lined or filled with gauze. It is jointed at the elbow, and can be fastened at any angle. It is further provided with an axillary crutch and band, so that slight extension may be produced if desired.

In ordering, state whether for infant, child or adult.

Fig. 957. SPACH'S CUSHION SPLINT FOR FRACTURE OF THE HUMERUS.

Price to patients, \$6.00. See special instructions on page 551.

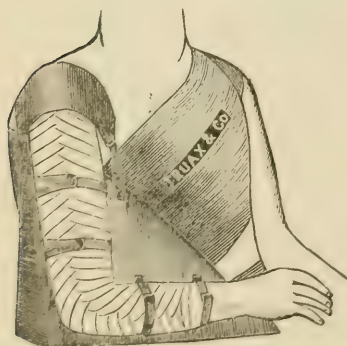


Fig. 957. Spach's Splint for Fracture of the Humerus.

This splint possesses the merit of being adapted to the treatment of fractures occurring in any part of the humerus.

All the extension necessary can be secured by padding the lower border of the smaller cushion. The shoulder and elbow joints can be firmly immobilized. It is applied by first moulding felt or heavy card-board to the arm. These are padded and secured by the roller bandage. The splint is then secured to the body and the arm fixed in position by straps, as shown in the figure. These splints are comfortable to the patient and are easily applied.

In ordering, state distance from axilla to elbow joint, and from elbow-joint to wrist, and whether for right or left arm.

FRACTURE APPARATUS.

Fig. 960. SMITH'S ARTIFICIAL ARM FOR UNUNITED FRACTURE OF THE HUMERUS.

Price to patients.....\$50 00

See special instructions on page 551.

It is fitted closely over the shoulder and fore-arm and accurately joined at the elbow, giving to the parts perfect freedom of movement.

DIRECTIONS FOR MEASUREMENTS.

As per diagram on page 552.

1. Patient's name.
2. Right or left side.
3. Length from acromion to point of external condyle.
4. Length from condyle to styloid of radius,
5. Length from internal condyle to styloid of ulna.
6. Circumference from point of shoulder to opposite axilla.
7. Circumference around top of shoulder over deltoid.
8. Circumference around middle of arm.
9. Circumference at elbow joint.

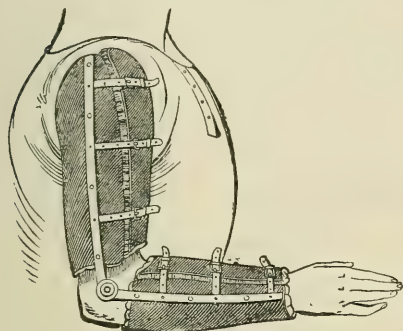


Fig. 960.

10. Circumference at upper end of fore-arm.
11. Circumference at middle of fore-arm.
12. Circumference at wrist.

Be careful to take circumference at wrist whilst the radius and ulna are parallel or between pronation and supination.

In the application of Smith's apparatus let it be remembered: 1st. That the pressure at the seat of the fracture must be as great as can be borne without inflaming the skin; hence the strap at this point must always be firmly drawn so as to make the apparatus also act as ferrule around the ends of the fragments.

2d. That in the lower extremities the weight of the body is sustained by the upper part of the hollow splint, just as a stump is sustained in an artificial limb after amputation. The upper strip should, therefore, be firmly drawn when the patient is about to walk; but it should be slackened, so as to be more comfortable, when the patient is in bed or sitting up in a chair.

3d. When worn for several months the inside lining and stuffing should be renewed, so as to give accurate support.

4th. When, from union occurring, it is proposed to lay aside the splint, let it be taken off at night for ten days, or while sitting up in a chair, before any attempt is made to walk without it.

5th. It is useful in recent fractures, enabling the patient to sooner sit up.

In the manufacture of these limbs the side bars, that are the main support, are of cast steel, one-half inch wide and one-eighth inch thick, which is strong enough to sustain any ordinary weight. For the back and front splints, that surround the limb and act as a ferrule at the seat of fracture, we take galvanized sheet iron, No. 6, stuffed with wool, covered with buckskin on the inside of the splint, and morocco on the outside. The attempts to make lighter limbs by using stiff leather and steel half rings have not proved advantageous.



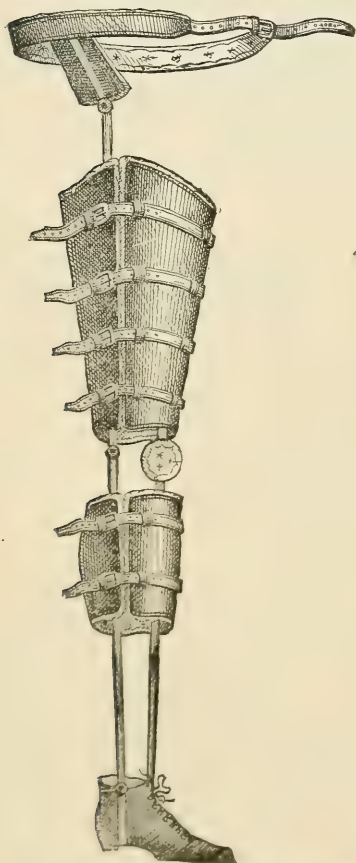
FRACTURE APPARATUS.

Fig. 961. SMITH'S ARTIFICIAL LIMB FOR UNUNITED FRACTURE OF THE FEMUR.

Price to patients.....\$50 00 to \$75 00

See special instructions on page 551.

A, Pelvic band. B, Hip-joint. C, Conical thigh-piece, which supports the weight of the body, and makes pressure on the fractured ends of the bone, permitting sufficient friction to excite periosteal action. D, Knee-joint in side irons. E, Support at calf. F, Laced shoe and ankle-joint.



DIRECTIONS FOR MEASUREMENTS.

As per diagram on page 552.

1. Patient's name.
2. Smith's Artificial Limb for ununited fracture of the femur.
3. Right or left side.
4. Position of false joint.
5. Length from sole to ankle.
6. Length from sole to knee.
7. Length from sole to crutch (perineum).
8. Length from sole to trochanter major.
9. Length from sole to iliac crest.
10. Circumference above iliac crest.
11. Circumference of thigh close to groin.
12. Circumference of middle thigh.
13. Circumference of middle of knee-joint.
14. Circumference around the tubercle of tibia.
15. Circumference of middle of calf.
16. Circumference of ankle.

We much prefer to have patient furnish shoe. If we furnish them, the following additional measures are required:

- A, Length of sole of the foot,
- B, Circumference of ball of feet,
- C, Circumference of instep.

Fig 961. Smith's Artificial Limb for Ununited Fracture of the Femur.

Shoes are charged extra, according to quality.

FRACTURE APPARATUS.

Fig. 962. SMITH'S ARTIFICIAL LIMB FOR UNUNITED FRACTURE OF THE TIBIA.

Price to patients.....\$30 00 to \$50 00
See special instructions on page 551.

A, Support at middle of thigh. B, Knee-joint in side irons. C, Main support of the body by accurate adjustment below the tubercle of the tibia. D, Ankle-joint and boot.

DIRECTIONS FOR MEASUREMENTS.

As per diagram on page 552.

1. Patient's name.
2. Smith's artificial limb for ununited fracture of the tibia.
3. Right or left side.
4. Position of false joint.
5. Length from sole to ankle-joint.
6. Length from sole to knee-joint.
7. Length from sole to middle of thigh.
8. Circumference around ankle-joint.
9. Circumference below calf.
10. Circumference around middle of calf.
11. Circumference around tubercle of tibia,
12. Circumference around middle of knee-joint.
13. Circumference around thigh above knee.

We prefer to have patients send shoes. If we are to furnish them, the following additional measures are required:

- A. Length of sole of foot.
- B. Circumference of ball of foot.
- C. Circumference of instep.
- D. Circumference above ankle.

The heel depends on the shortening from the fracture.
Shoes are charged extra, according to quality.

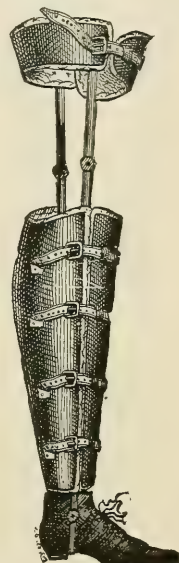


Fig. 962. Smith's Artificial Limb for Ununited Fracture of the Tibia.

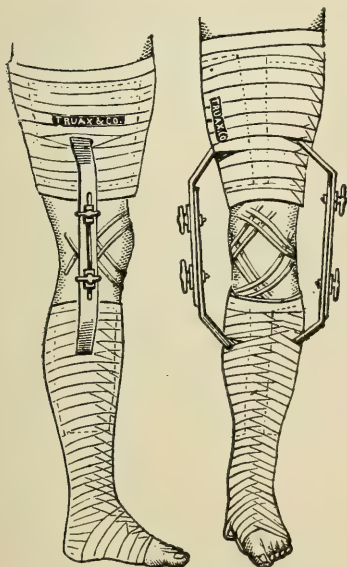


Fig. 963. Stillman's Patella Brackets.

Fig. 963. CHAS. F STILLMAN'S (CHICAGO) PATELLA BRACKETS.

Price per pair, to patients.....\$15 00
See special instructions on page 551.

The plaster and brackets being applied as delineated in the cut (Fig. 963), it only remains to hold the fragments together by means of an elastic webbing attached to the two bridges, or by strips of adhesive plaster. Thus we ensure absolute freedom from motion, are enabled to watch the fragments, keep them thoroughly in approximation, at the same time subduing all tendency to inflammatory action with external applications.

In ordering state whether for infant, child, or adult.

HAS TRUAX & GREENE & CO.

FRACTURE APPARATUS.

Fig. 964. MARKLEY'S PATELLA SPLINT.

Price to patients.....\$12 00

See special instructions on page 551.

This splint is intended for the treatment of fractures of the patella and dislocations of the knee-joint, and may be utilized in cases of fractures either just above or below the knee.

It consists of two well padded iron troughs, connected with hinges and circle stop, so that it may be used straight or flexed to any desired angle. Traction on the pads may be made by means of the two long screws, which are shown on the under side of the splint, and turned by a wrench. Each screw is provided with a sliding nut, which moves in a slot cut in the trough and to which is attached the traction bands *CC*. The bands *BB* assist in holding the pads firmly in place, while the bands *AA* hold the splint to the limb. As this splint can be made useful in many ways, it should be in the hands of every practitioner.

DIRECTIONS FOR MEASUREMENTS.

See diagram on page 552.

1. Circumference of calf (D).
2. Circumference of knee (F).
3. Circumference of thigh (H).
4. Distance from calf to knee (D to F).
5. Distance from calf to thigh (D to H).

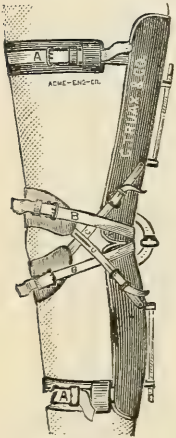


Fig. 964. Markley's Patella Splint.

Fig. 965. LEWIS' APPARATUS FOR TREATMENT OF FRACTURE OF THE PATELLA.

Price to patients.....\$6 00

See special instructions on page 551.

This apparatus consists of a broad pad, resting on the popliteas, to keep the knee extended, and a narrow pad fitting the upper border of the patella. A strap connected with the latter one is first passed through a ring attached to the popliteal pad, then continued down the leg on each side, being finally buckled to a lined foot-pad. This makes the foot a fixed point for extension, and the ring through which the strap passes gives it also a direction backwards, maintaining a firm hold of the upper fragment of the patella, whilst the lower fragment is readily kept in place by a strip of adhesive plaster.

DIRECTIONS FOR MEASUREMENTS.

See diagram on page 552.

1. Circumference above knee (G).
2. Length from sole of foot to knee (I to F).

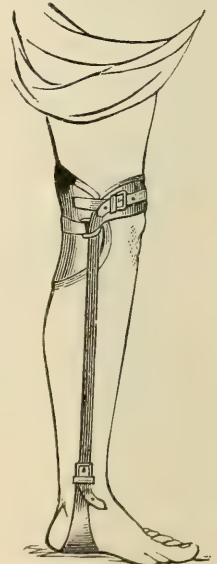


Fig. 965. Lewis' Apparatus for Treatment of Fracture of the Patella.



FRACTURE APPARATUS.

Fig 966. KNEE CAP FOR AFTER TREATMENT OF FRACTURED PATELLA.

Price to patients\$5 00

See special instructions on page 551.

This knee cap is manufactured for the purpose of controlling the patella after the fracture has been healed, and is to prevent the rupture of the ligaments of the newly formed union. It consists of a knee cap made of satin-jeans, which is adjusted to the knee by buckles or laces, and has two pads—one above, the other below the patella, and drawn together by laces.

MEASUREMENTS REQUIRED.

See diagram on page 552.

1. Circumference below knee (E).
2. Circumference at knee (F).
3. Circumference above knee (G).

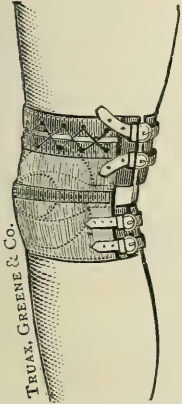


Fig. 966. Knee Cap for after treatment of Fractured Patella.

Fig. 967. CHAS. F. STILLMAN'S (Chicago) SECTOR SPLINT FOR FRACTURE OF THE PATELLA AND KNEE.

Price to patients\$15 00

See special instructions on page 551.

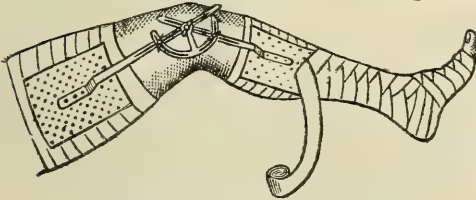


Fig. 967. Stillman's Sector Splint for Fractured Patella.

limb, perfect motion or immobility may be secured, while the slots in the extension bars admit of extension as desired.

Manufactured in three sizes—infant's, child's and adult's.

Fig. 968. BACON'S PATELLA SUPPORT.

Price to patients\$18 00

See special instructions on page 551.

Patients recovering from transverse fracture of the patella, with "aponeurotic union," are constantly liable to repeated ruptures of this adventitious tissue, each successive accident widening the gap between the fragments of the bone and lessening the power of the leg extensors. The frequency with which such patients fracture the opposite patella, in their attempts to save the weakened joint from renewed injury, is well known.

To give efficient support to joints thus impaired, the appliance here shown (Fig. 968) has been devised, and has been worn with satisfaction by several patients, one of whom, having an ill-united fracture of each patella, was able to mount a flight of stairs immediately upon the application of the apparatus, for the first time since the injury was received.

DIRECTIONS FOR MEASUREMENTS.

Same as for Fig. 966.

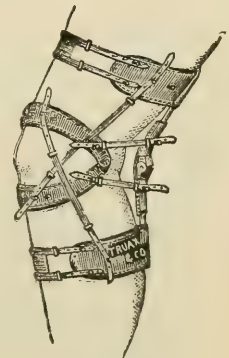


Fig. 968. Bacon's Patella Support.



FRACTURE APPARATUS.

Fig. 970. McINTYRE'S SPLINT.

Price to patients\$18 00

See special instructions on page 551.

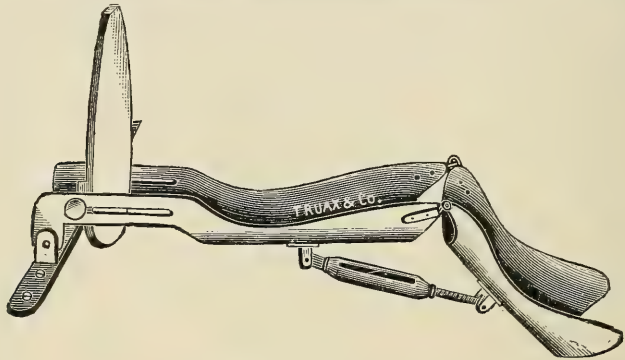


Fig. 970. McIntyre's Splint.

This splint is particularly applicable to the treatment of fractures of the condyles of the femur and of the upper extremity of this bone, attended with a disposition to displacement of the lower end of the upper fragment. It may also be advantageously employed in compound fractures attended with severe contusion and laceration of the integuments, as it affords an easy and comfortable position to the injured limb. It is applied to the limb by attaching the foot to the foot-board and the limb to the splint by a roller bandage. The angle of flexion is regulated by the screw. The splint is made of galvanized iron, and in three sizes.

Fig. 971. VOLKMAN'S SLIDING REST.

Price to patients\$5 00

See special instructions on page 551.

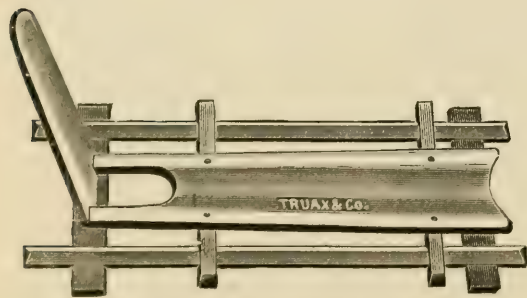


Fig 971. Volkman's Sliding Rest.

Volkman's sliding foot piece consists of a movable posterior splint for the leg, as shown in the illustration. This splint should be perforated for the heel, and rest upon two cross-bars of wood, which in turn slide up and down on a rectangular frame. Upon the upper edge of these bars a tongue is cut, and a corresponding notch or groove in the cross-bars.

FRACTURE APPARATUS.

Fig. 973. EVANS' FOLDING FRACTURE BOX

Price to patients.....\$20 00

See special instructions on page 551.

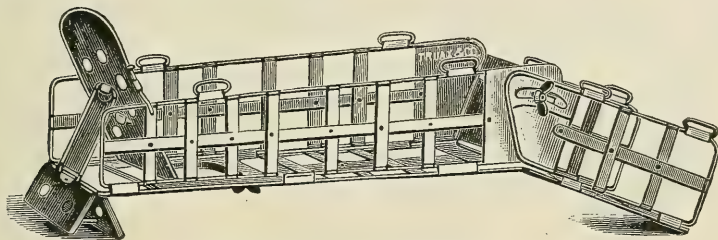


Fig. 973. Evans' Folding Fracture Box.

The great difficulty experienced in dressing wounds of the leg without disturbing the wounded extremity, or in cases of compound fracture, has led to the construction of an apparatus of which the following is a description:

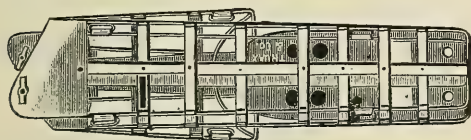


Fig. 973. Evans' Fracture Box, folded flat for transportation or storage.

It is made of tinned iron to prevent rusting, and consists essentially of a back piece, sides, and foot-rest, and has an oval-shaped opening to accommodate the tendo achillis and heel. The sides are jointed to the back piece by hinges, and are kept in position by thumb-screws. The foot-rest can be firmly secured at different angles by a rack at the back, thus preventing either backward or forward movement. At the end of the splint is a support to raise the foot, so as to prevent pressure on the heel. When not required, it can be turned up, and fits into the space between the two wings.

The advantages are these: Bandages, with the exception of the one for the foot, are rendered unnecessary. The wound can be dressed by letting down the sides, unless it be confined to the back of the limb, and in most cases can be seen without disturbing the apparatus. The foot-rest remains fixed when the sides are let down—this is a most important point, as it is well known that one of the greatest difficulties in the treatment of fractured leg is to prevent either inversion or eversion of the foot. The sides and foot-rest are sufficiently high to keep off the pressure of the bed-clothes. The apparatus is convenient when it is necessary to move the patient; it is also simple in construction, durable, moderate in price, light, cool, easily kept clean, equally applicable to the right or left extremity, and allows the leg to be placed on the side. All the component parts being fastened together, it will always be found complete.

It is constructed to pack into the smallest possible compass, the sides folding behind the back piece, the wings on one another, and the foot-rest lying flat when unfastened.

To save space in packing, the pad cases only are supplied, into which carbolized tow, lint, or any available material may be stuffed.

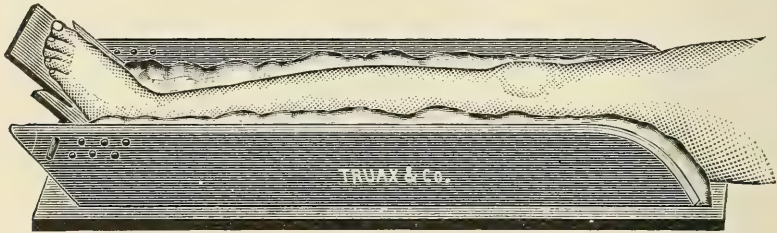


FRACTURE APPARATUS.

Fig. 975. FRACTURE BOX.

Price to patients\$5 50

See special instructions on page 551.



It consists of a bottom, a foot piece, and two movable side pieces. This may be placed upon a pillow or box to give it a slight elevation, or the apparatus may be modified after Petit's box. If any extension is needed, it may be secured by a bandage around the ankle and foot, which is also passed through the holes in the foot piece. In fixing the leg in this fracture box, the sides are turned down, a thick layer of cotton or some soft material arranged for the leg to rest upon, and shaped to fit the natural contour of the calf. The sides are also packed, turned into position and fastened. As soon as the first swelling subsides, or as soon as it is evident that no marked swelling will occur, the plaster of paris should be applied.

Fig. 978. SMITH'S ANTERIOR SPLINT.

Price to patients, without pulleys.....\$3 00

See special instructions on page 551.

"Smith's anterior splint is simply a frame composed of stout wire, which, being suspended, allows the limb, fastened to it by rollers, to be suspended in turn—the rollers passing around both limb and splint, from the foot to the groin. The splint should extend from above the anterior superior spinous process of the ilium to a point beyond the toes. The lateral bars of the splint are separated about three inches. One of the spring double hooks, fastened to the short cord for suspension, ought to be nearly over the seat of fracture, the other a little above the middle of the leg.

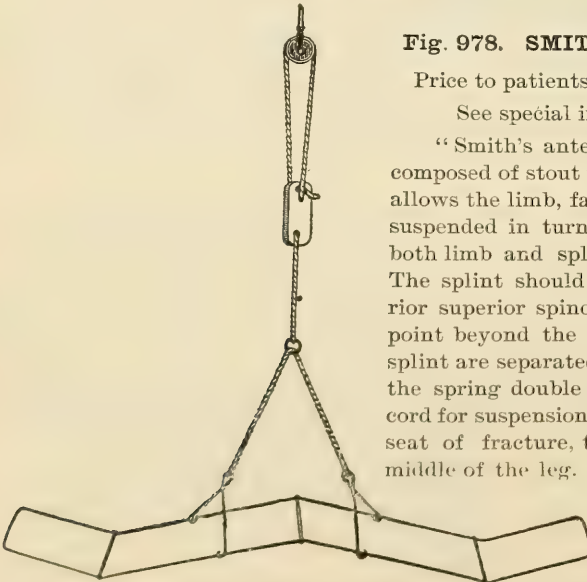


Fig. 978. Smith's Anterior Splint.

In ordering, state whether for child or adult.

HAS TRUAX & CO GREENE & CO

FRACTURE APPARATUS.

Fig. 981. HODGENS' SUSPENSION APPARATUS.

Price to patients.....\$6 00

See special instructions on page 551.

The frame is stout wire; strips of wire gauze are laid across the splint from side to side, and upon these the limb is laid. The center and upper extremity of the splint are kept asunder by strong bows of iron wire, so arranged that they can be put on or taken off without disturbing the dressings. Extension is made by adhesive plasters, and the whole apparatus is finally suspended to the ceiling, or to some point above, by a rope and pulley.

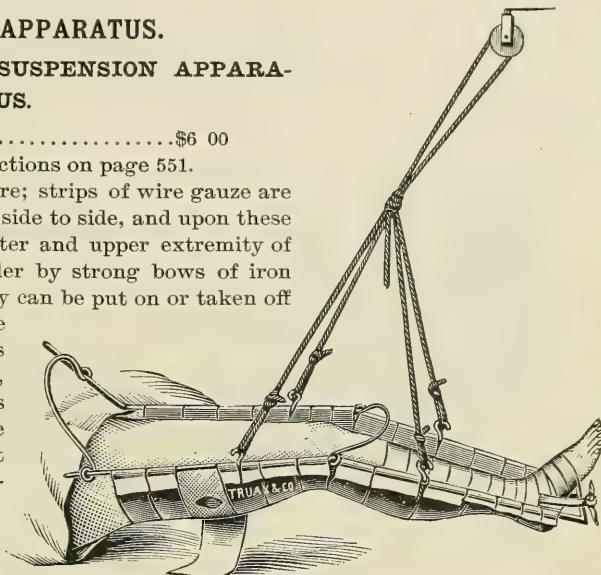


Fig. 981. Hodgens' Suspension Apparatus.

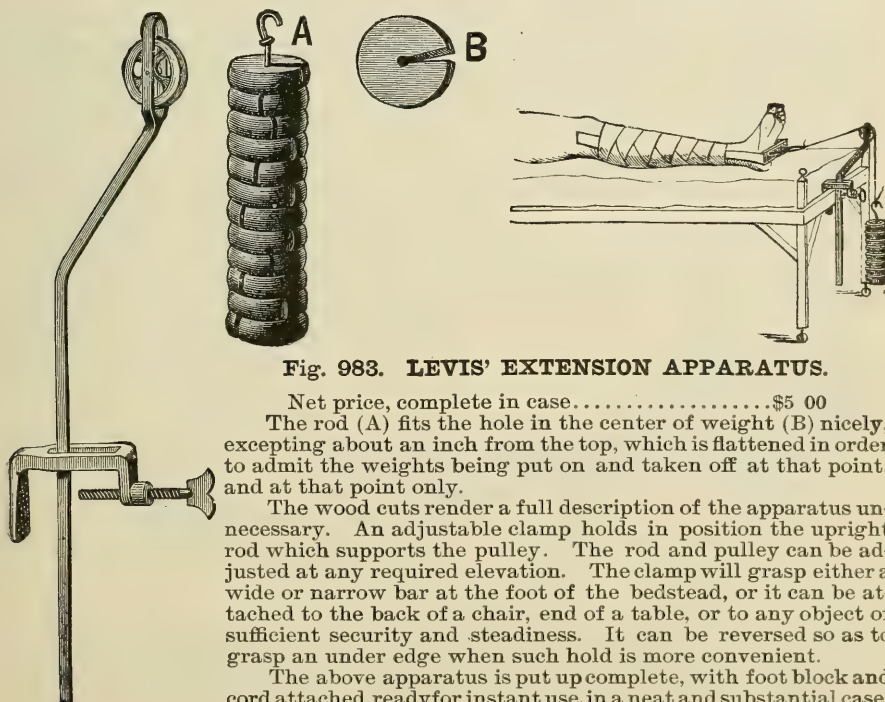


Fig. 983. LEVIS' EXTENSION APPARATUS.

Net price, complete in case.....\$5 00

The rod (A) fits the hole in the center of weight (B) nicely, excepting about an inch from the top, which is flattened in order to admit the weights being put on and taken off at that point, and at that point only.

The wood cuts render a full description of the apparatus unnecessary. An adjustable clamp holds in position the upright rod which supports the pulley. The rod and pulley can be adjusted at any required elevation. The clamp will grasp either a wide or narrow bar at the foot of the bedstead, or it can be attached to the back of a chair, end of a table, or to any object of sufficient security and steadiness. It can be reversed so as to grasp an under edge when such hold is more convenient.

The above apparatus is put up complete, with foot block and cord attached, ready for instant use, in a neat and substantial case.



FRACTURE APPARATUS.

Fig. 984. NEW EXTENSION APPARATUS.
(MACWHINNIE'S.)

Net price, complete.....\$12 00

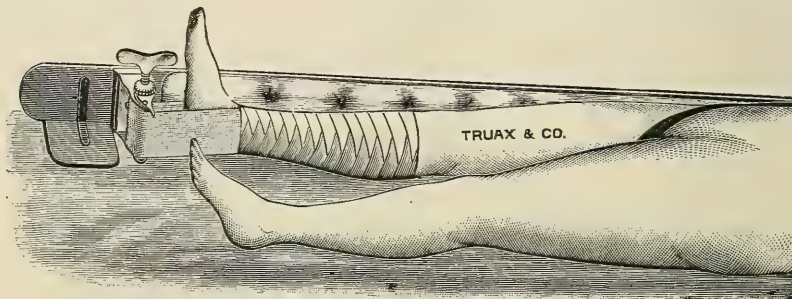


Fig. 984. Macwhinnie's New Extension Apparatus.

The Rack and Pinion Extension Apparatus is designed with a view of enabling the surgeon to apply gradual extension *ad libitum* to the leg, from the acetabulum down, and will be found most efficient in the following cases: Fractures, Hip-joint Disease, Partial Anchylosis of the knee-joint, Muscular Contraction, evolving shortening of the tendons in the popliteal space.

THE POINTS OF MERIT CLAIMED FOR THIS INSTRUMENT ARE:

- FIRST—External bed fixtures, pulleys, ropes and weights are entirely dispensed with.
- SECOND—Traction, in all cases, is produced directly through the axis of the limb.
- THIRD—The heel is raised from the bed, obviating all liability to ulceration.
- FOURTH—Extensions and reduction of same are under complete control of surgeon, as the handle, being detachable, forms a key, and cannot be tampered with by patient or friends.
- FIFTH—The instrument is adaptable to right or left leg and can be regulated to the shortest or longest limb. The instrument is self-sustaining and unvarying.

METHOD OF APPLICATION.

Cut two pieces of strong roller bandage, $2\frac{1}{2}$ to 3 inches wide; in length 8 or 10 inches longer than foot, measuring from one inch below the knee. Fasten these securely to outside and inside of the limb with adhesive plaster, confining the whole with a roller bandage, properly applied, extending from below the knee to the ankle. The patient being placed on his back, the splint is fastened to outside of affected limb at the hip by means of the perineal band. The distal end is fastened to the extension apparatus

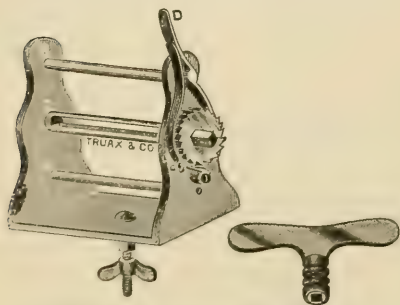


Fig. 984. Extension Apparatus.

by means of the tapes previously secured to the limb. The perineal pad furnishes the counter extension.

The *Modus Operandi* is as follows:—Pass the free end of the outer tape over the roller A and through the slot C in axle of apparatus; the remaining strap being passed over roller B and also through slot C, when equal tension is to be made, and, by turning the key, the required extension may be easily attained. To reduce the extension press on the lever D, at the same time regulating the amount by means of key.



FRACTURE APPARATUS.

Fig. 985. CLARK'S SUSPENSION APPARATUS.

Price to patients.....\$30 00

See special instructions on page 551.

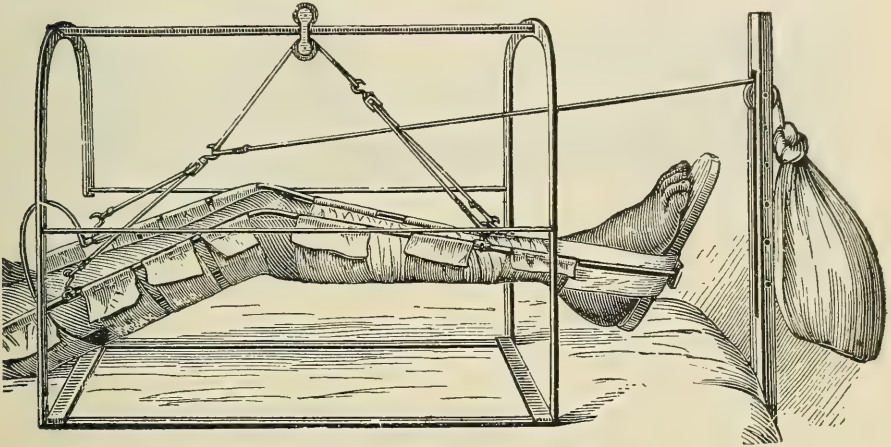


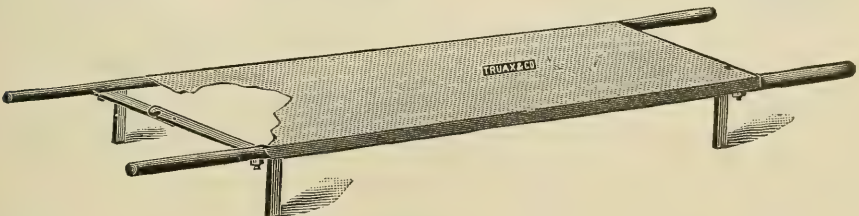
Fig. 985. Clark's Suspension Apparatus.

The attachment for extension is by means of adhesive strips, extending to near the knee and passing around a foot piece, to which is attached a small bracket, which hooks over the lower end of the main splint. Then the limb is suspended by four hooks, which are attached to thimbles that slide back and forth upon the bar, and are fixed at the desired point by means of thumb screws in their outer sides. Extension is made by means of the cord as shown in the illustration, and attached to a sand-bag of sufficient weight to make the necessary amount of extension. The weight ordinarily required for an adult is from ten to fifteen pounds. A uniform traction is exerted upon the limb, in whatever position the body of the patient may be placed.

Fig. 987. TRUAX, GREENE & CO.'S FOLDING STRETCHER.

Net price\$6 00

The bars of these stretchers are made from selected hardwood, while the cross-pieces are of wrought iron, firmly fastened at their ends with bolts. These cross-



pieces are constructed so they will fold up, thus securing great compactness for storage or transportation. The canvas is of a heavy quality, firmly secured to the side-bars. We can furnish these made from an endless piece of canvas, passing around and across both side bars, at an additional cost of 35 cts. each. This allows its removal for washing, and its use as a wrapper for the side-bars and cross-pieces.

CHAS. TRUAX & CO. GREENE

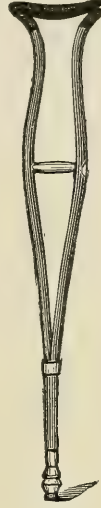
CRUTCHES.



No. 1.



No. 2.



No. 3.



No. 4.

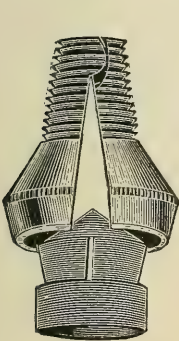


Fig. 992. Patent Crutch Bottoms. Price to patients, small, \$2.00, medium, \$2.50; large, \$3.00.

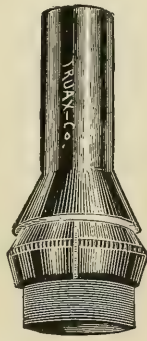


Fig. 993. Greene's Crutch Bottoms. Price to patients, per pair, \$1.50.

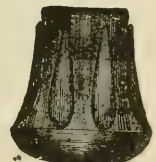


Fig. 995.

Plain Crutch Rubbers. Pair, small, 25c med., 35c, large, 40c

Crutches, No. 1.	Plain, ash or maple.....	pair,	\$ 2 00
“ “ 2.	Ferruled bottom, well finished.....	pair	3 00
“ “ 2.	“ “ with bottom No. 993.....	pair	4 00
“ “ 3.	Patent “ leather top, maple.....	pair,	8 00
“ “ 3.	“ “ “ rosewood.....	pair,	10 00
“ “ 3.	“ “ “ malacca.....	pair,	15 00
“ “ 4.	Maple, leather, padded top and fine nickel bottom.....	pair,	4 50

In ordering, give distance from arm-pit to floor.



SURGICAL SundRIES.

	Net Prices.
BATH TUBS, Rubber, inflatable, oval, 20 x 25 inches.....	each \$ 8 00
" " round, 24 inch, Fig. 1005.....	each 10 00
" " " 30 " 	each 12 50
" " " 34 " 	each 15 75
" " " with back, 24 inches.....	each 12 50
" " " " " 30 " 	each 15 00
" " " " " 34 " 	each 18 00
" Universal, Knowlton's, regular size.....	each 13 00
" " " large " 	each 14 00
BED PANS, Glass, "Aseptible".....	each 4 00
Drakeley, (see page 730).....	each 3 75
" with douche (see page 730).....	each 5 00
Dugot's.....	each 4 00
Jones'.....	each 4 00
" with douche.....	each 5 00
Porcelain, white, Fig. 1051.....	each 1 00
" yellow.....	each 85
" Eureka, Fig. 1052.....	each 1 00
Rubber, oval, plain, Fig. 1048.....	each 3 00
" " with drainage tube, Fig. 1049.....	each 3 50
" round, plain, Fig. 1007.....	each 2 50
" " with drainage tube, Fig. 1006.....	each 3 00
BEDS, Air, Fig. 1013, with or without pillow.	
" 32 x 80, with pillow, each, \$25 00; without pillow.....	each 20 00
" 42 x 80, " " each, 30 00; " " 	each 26 50
" 52 x 80, " " each, 38 00; " " 	each 35 00
Water, 24 x 36, Fig. 1008.....	each 14 00
" 32 x 80.....	each 20 00
" 42 x 80.....	each 26 50
" 52 x 80.....	each 35 00
BREAST PUMPS, Economic, self-drawing, Fig. 1070.....	doz 2 00
English, Fig. 1071.....	doz 3 00
Mizpah A, (see page 733).....	doz 6 00
" C, (see page 733).....	doz 7 50
Mattson's Grenoble, Fig. 1069.....	doz 5 00
BRUSHES, Camels' hair, ordinary.....	doz 20
" " large, swans' quill.....	doz 75
" " bent quill, long handle, Fig. 1092.....	doz 90
" " wire handle, Fig. 1091.....	doz 1 00
Glass, for applying acids, Fig. 1090.....	each 15
BULBS, for atomizers, Fig. 1065.....	each 25
" " " 1066.....	each 25
" " " 1067.....	each 25
" " " 1068.....	each 25



SURGICAL SUNDRIES.

CHEST PROTECTORS, see also Buckskin Underwear, page 724 and 726.

For chest only.....	\$0 75 to \$1 50
For chest and back.....	1 25 to 3 00

CUSHIONS, Bed Sore, see Invalid Rings, page 720.

Carriage, Fig. 1025.....	each 4 50
Chair, round, Fig. 1009.....	each 2 25
“ half round, Fig. 1011.....	each 3 50
“ “ hospital, Fig. 1012.....	each 3 75
“ square, center reeded, small.....	each 2 25
“ “ “ large, Fig. 1023.....	each 3 00
“ “ with back, small.....	each 5 25
“ “ “ large, Fig. 1017.....	each 6 00

CUSPIDORES, small.....doz 2 50

Papers for same.....doz 15

Large, 8½ inch.....each 1 00

Papers for same.....doz 35

DAM, RUBBER, best quality.....lb 2 50

DIAPERS, rubber, Fig. 1099.....each 50

DROP BOTTLES, Fig. 1062.....each 25

DROPPERS, medicine, straight, Fig. 1063.....doz 35

Bent, Fig. 1064.....doz 35

Mizpah, any pattern, (see page 732).....doz 1 00

DOUCHE PAN, Whitall, Tatum & Co's, (see page 753). Discount 20 per cent.

FEEDING BOTTLES, see Nursing Bottles.

FEEDING DISHES, Fig. 1085.....doz 2 25

FINGER COTS, finest rubber, ladies' or gent's, Fig. 1055.....doz 35

FLASKS, leather covered, ¼ pint.....each 80

“ “ ½ “.....each 1 00

“ “ ¾ “ Fig. 1094.....each 1 25

GLOVES, rubber, short, light, ladies', Fig. 1046.....pair 1 00

Rubber, “ gent's.....pair 1 15

“ half long, ladies', Fig. 1045.....pair 1 25

“ “ gent's heavy, for driving.....pair 2 00

“ long, heavy, acid cured, Fig. 1044.....pair 3 25

“ dissecting, pure gum, half long, ladies'.....pair 2 25

“ “ “ “ “ gent's.....pair 2 50

GONORRHEA BAGS.....doz 1 00

ICE BAGS, German, for general use (Fig. 1014).....each 75

Plain, No. 1, Fig. 1018.....each 30

“ “ 2, Fig. 1019.....each 35

“ “ 3, “ 1020.....each 40

“ “ 4, “ 1021.....each 50

Spine, white, 12 inch, Fig. 1027.....each 80

“ “ 16 “.....each 90

“ “ 20 “.....each 1 00

“ pure gum, 12 inch, Fig. 1027.....each 1 00

“ “ 16 “.....each 1 10

“ “ 20 “.....each 1 20



SURGICAL SUNDRIES.

ICE BAGS, throat, pure gum, 7 inch, Fig. 1027.....	each	\$ 60
“ “ “ 9 “	each	65
“ “ “ 11 “	each	70
ICE CAPS, helmet shape, small, Fig. 1022.....	each	1 60
Helmet shape, medium.....	each	1 75
“ “ large.....	each	1 90
Flat, pure gum, Fig. 1024.....	each	1 65
INVALID RINGS (for bed-sore patients), 10 inch, Fig. 1010.....	each	1 50
For bed-sore patients, 12 inch.....	each	1 75
“ “ “ 14 “	each	2 00
“ “ “ 16 “	each	2 25
“ “ “ 18 “	each	2 50
KNIVES, PHYSICIANS', spatula blade, Fig. 1097.....	each	1 25
LAMP, ALCOHOL, brass, Fig. 1088.....	each	50
LAMP, SPIRIT, W. T. Co's, (see page 753).....	doz	4 80
MEDICINE GLASSES, graduated, Fig. 1086.....	doz	60
MEDICINE SPOONS, porcelain, Fig. 1084.....	doz	2 50
MENSTRUAL BELTS, rubber, Fig. 1078.....	each	50
MENSTRUAL CUPS, fine soft rubber, Fig. 1079.....	each	1 00
MENSTRUAL PADS, Fig. 1077.....	doz	50
MITTENS, rubber, men's light, Fig. 1047.....	pair	1 00
Rubber, men's, extra heavy.....	pair	1 40
“ “ wool lined.....	pair	1 40
NIPPLES, rubber, regular pattern, pure gum, Fig. 1056.....	gro	2 75
“ Common Sense, pure gum, Fig. 1057.....	gro	4 00
“ Davidson Rubber Co's Pat. Health, white, (see page 734).....	doz	40
“ “ “ “ maroon.....	doz	50
“ “ “ “ pure gum.....	doz	50
“ “ “ Duplex, Fig. 1080, pure gum.....	doz	6 00
“ Maw's, pure gum, Fig. 1058.....	gro	2 00
“ “ Mizpah” No. 56, (see page 733).....	doz	60
“ “ “ 46, (see page 733).....	doz	75
NIPPLE SHELLS, glass, Fig. 1083.....	doz	75
NIPPLE SHIELDS, plain, rubber, pure gum, Fig. 1076.....	doz	75
Plain, rubber, white.....	doz	60
Glass, with nipple, Fig. 1082	doz	1 00
“ “ and tube, Fig. 1081.....	doz	1 25
“ “ Duplex, Fig. 1080.....	doz	6 00
NURSING BOTTLES, plain, flint glass, without fittings, Fig. 1074.....	doz	75
Flint glass, complete, Fig. 1075.....	doz	1 50
NURSING BOTTLE FITTINGS, plain, Fig. 1072.....	doz	50
Best, pure gum, Fig. 1073.....	doz	1 25
“ Mizpah” see page 733.....	doz	1 00
PILLOWS, Air, for neck, Fig. 1013 A.....	each	3 00
Air, oblong, No. 1, 9 x 13, Fig. 1015.....	each	1 50
“ “ No. 2, 10 x 16.....	each	1 85
“ “ No. 3, 12 x 18.....	each	2 25
“ “ No. 4, 14 x 23.....	each	2 50



SURGICAL SUNDRIES.

SANITARY BELTS, rubber, Fig. 1078.....	each	\$ 50
SANITARY PADS, Fig. 1077.....	doz	50
SHEETING, Rubber, white, 27 inches wide.....	yard	60
Rubber, white, 36 inches wide.....	yard	75
" " 45 " " 	yard	1 00
" " 54 " " 	yard	1 25
SHEETS, Rubber, white turned over edges, 4 ft. x 6 ft.....	each	2 75
SPIT CUPS, white earthenware, with loose funnel, Fig. 1089.....	each	25
Papier mache, with cover, Fig. 1093.....	each	75
SPOONS, Feeding, Fig. 1084.....	doz	2 50
STERILIZERS, See Surgical Requirements.		
Arnold's No. 1, family size, tin, copper bottom.....	each	2 50
" No. 2, " 	each	2 75
" " " all copper.....	each	7 00
STOVES, alcohol, folding, Fig. 1087, each 20c.....	doz	2 00
Brass, Fig. 1088.....	each	50
SUPPOSITORS, ring handle, hard rubber, No. 1, Fig. 1161A.....	doz	4 50
Ring handle, hard rubber, No. 2.....	doz	5 00
Plain " " No. 1, Fig. 1160A.....	doz	3 00
" " " No. 2.....	doz	3 75
SYRINGES, glass, ear, Fig. 1170, straight.....	doz	80
Bent, Fig. 1169.....	doz	85
Glass, female, No. 3, Fig. 1172.....	doz	65
" " No. 5.....	doz	90
" " No. 7.....	doz	1 50
" male, No. 1, Fig. 1172.....	doz	50
" " No. 3.....	doz	65
" " No. 5.....	doz	1 00
" " No. 7.....	doz	1 75
" " No. 0, and No. 1, in nickel case.....	doz	1 50 and 1 75
SYRINGES, glass, male, No. 0, in wood case.....	doz	65
Glass, male, No. 1 in wood case.....	doz	75
" " Cone point, No. 0, Fig. 1171.....	doz	65
" " " No. 1.....	doz	75
" " " No. 2.....	doz	85
" McElroy's, ear, plain, see page 739.....	doz	1 15
" " " No. 3, straight.....	doz	1 90
" " " No. 3, curved.....	doz	1 90
" " female, "O. P. T." No. 1.....	doz	1 75
" " " No. 2.....	doz	2 00
" " " No. 3.....	doz	3 00
" " male, No. 00.....	doz	50
" " " No. 1.....	doz	90
" " " No. 3.....	doz	1 25
" " " No. 5.....	doz	1 60
" " " No. 00 in wood case.....	doz	63
" " " No. 0 " 	doz	1 00
" " " No. 1 " 	doz	1 15

All other patterns at wholesale rates.



SURGICAL SUNDRIES.

SYRINGES, Hard Rubber, battery, 12 oz., Fig. 1154A	each	\$ 1 75
Hard rubber, catarrh, $\frac{1}{2}$ oz.	each	70
" " " 1 oz., Fig. 1162 A	each	85
" " catheter, 6 oz., Fig. 1546.	each	2 00
" " dental, $\frac{3}{16}$ oz., Fig. 1148A.	each	50
" " ear, $\frac{1}{2}$ oz., Fig. 1157A	each	60
" " " 1 oz., Fig. 1157A	each	70
" " " 2 oz.	each	85
" " glycerine, $\frac{1}{2}$ oz., Fig. 1159.	doz	8 00
" " infants, $\frac{1}{2}$ oz., Fig. 1152A	doz	4 75
" " male, $\frac{1}{8}$ oz., Fig. 1144.	doz	2 00
" " " $\frac{1}{8}$ oz., cone point, Fig. 1145.	doz	2 00
" " " $\frac{1}{4}$ oz., Fig. 1146.	doz	2 50
" " " $\frac{1}{4}$ oz., cone point, Fig. 1147.	doz	3 00
" " " $\frac{1}{4}$ oz., bulb point, Fig. 1147A	doz	4 25
" " " $\frac{1}{4}$ oz., soft rubber tip.	doz	3 75
" " " $\frac{3}{8}$ oz., Fig. 1148.	doz	4 50
" " " $\frac{1}{2}$ oz. cone point, Fig. 1150A.	doz	6 00
" " rectal, $\frac{1}{2}$ oz., Fig. 1150.	doz	5 25
" " " $\frac{3}{4}$ oz.	doz	5 25
" " " 1 oz.	doz	6 25
" " " 2 oz., Fig. 1164.	doz	7 50
" " " 3 oz.	doz	9 00
" " " 3 oz. with bent rectal pipe.	doz	9 50
" " " 3 oz., " " and vaginal pipe, Fig. 1165A	doz	13 00
" " " 4 oz., Fig. 1166.	doz	10 50
" " " 6 oz.	doz	12 50
" " " 6 oz., with bent rectal pipe.	doz	13 00
" " " 6 oz., with straight and bent rectal and vaginal pipes	doz	16 00
" " " 12 oz.	doz	17 50
" " uterine $\frac{1}{2}$ oz., Fig. 1167.	each	75
" " " $1\frac{1}{2}$ oz., Fig. 1168.	each	1 00
" " Universal, Fig. 1191.	each	2 50
" " " Davidson's, Fig. 1188.	each	2 50
" " vaginal, $\frac{1}{4}$ oz., Fig. 1156A	doz	4 00
" " " $\frac{1}{2}$ oz.	doz	4 25
" " " 1 oz., Fig. 1151A.	doz	4 50
" " " 1 oz., with shield, Fig. 1155A.	doz	6 75
" " " 2 oz., Fig. 1158.	doz	6 25
" " " 2 oz., with shield	doz	8 50
" " veterinary, 24 oz.	each	3 00
" " " for fistulas, 2 oz., Fig. 1546.	each	2 00
Metal, rectal, $\frac{1}{2}$ oz.	doz	75
" " 1 oz.	doz	1 90
" " 2 oz.	doz	2 25
" " 4 oz.	doz	3 00
" " 8 oz.	doz	5 25



SURGICAL SUNDRIES.

SYRINGES, Metal, rectal, 16 oz	doz	\$ 9 00
Metal horse, 24 oz	each	2 00
" " 36 oz	each	2 25
SYRINGES, bulb, eye and ear, Fig. 1177	doz	3 00
Bulb, all soft rubber, Davidson's, No. 6, see page 743	doz	2 25
" " " " " " 25, see page 743	doz	2 50
" ear, with glass tube, Fig. 1176	doz	1 10
" urethral, with glass tube, Fig. 1175	doz	1 10
" Davidson's, No. 1, Fig. 1215	doz	17 00
" " " 2, hard rubber pipe, Fig. 1215	doz	15 00
" Mattson's Grenoble, No. 4, Fig. 1199	doz	11 00
" Truax, Greene & Co's Boston, metal pipes, paper box	doz	3 00
" " " Chicago, metal pipes, good quality, Fig. 1208, doz		4 00
" " " Dearborn, hard rubber pipes, Fig. 1207	doz	6 00
" " " Venetian, seamless and antiseptic, made from		
one piece of rubber	doz	12 00
Customers wishing a fine, pure gum syringe will find in this pattern all they wish for. It is as near aseptic as a syringe with valves can be made.		
" Tyrian, No. 5, see page 744	doz	13 00
" Ladies', hard rubber tube, Fig. 1197	doz	15 00
" Alpha, "A," hard rubber pipes, each in neat bag, see page 747, doz		17 50
" " "B," " " " each in case, see page 748	doz	17 00
" " "C," " " " in leather bag like shown on		
page 747	doz	16 00
" " "D," " " " in case like shown on page 748, doz		15 00
" " "E," " " " in cloth covered case	doz	13 00
" " "I," " " " in plain box	doz	10 00
" Omega, No. 3	doz	7 50
" " " 4	doz	5 50
SYRINGES, Fountain, Truax, Greene & Co's aseptic, see p. 745, each, \$1.00, doz		11 00
Fountain, Alpha, 1 quart, see page 750	doz	12 50
" " 2	doz	15 00
" " 4	doz	16 50
" " 5	doz	18 00
" Excelsior, 1 quart, Fig. 1195	doz	14 40
" " 2	doz	16 20
" " 3	doz	18 00
" " 4	doz	22 60
" Mattson's Combination, Fig. 1197	doz	18 00
" Tyrian, Fairbank's, 1 quart, No. 2, see page 744	doz	12 00
" " " 2	doz	13 00
" " " 3	doz	17 00
" " " 4	doz	20 00
" Tyrian combined with hot water bottle, 1 quart, Fig. 1216, doz		15 50
" " " " " " 2	doz	17 00
" " " " " " 3	doz	19 00
" " " " " " 4	doz	21 00
Molesworth's Vaginal, Nos. 1, 2 and 3	each	1 25
SIPHON, Truax, Greene & Co's aseptic No. 1, see page 745	each	1 00



SURGICAL SUNDRIES.

SIPHON, Truax, Greene & Co's aseptic No. 1	doz	\$11 00
Alpha No. 1. See page 750	doz	10 50
" No. 2. " " 751	doz	8 50
SYRINGE BAGS, for fountain syringes, 1 quart	each	45
For fountain syringes, 2 quart	each	55
" " " 3 "	each	65
" " " 4 "	each	85
TUBING, Rubber, white, medium, first quality, internal diameter $\frac{1}{16}$ in.	per ft	2 $\frac{1}{2}$
Same, $\frac{3}{32}$ in. per ft. 03; $\frac{1}{8}$ in. per ft. 04; $\frac{3}{16}$ in. per ft. 06; $\frac{1}{4}$ in.	per ft	08
" $\frac{5}{16}$ in. per ft. 10; $\frac{3}{8}$ in. per ft. 12; $\frac{1}{2}$ in. per ft. 15; $\frac{5}{8}$ in.	per ft	20
" $\frac{3}{4}$ in. per ft. 25; 1 in.	per ft	30
Rubber, black, pure gum, internal diameter $\frac{1}{16}$ in.	per ft	02
Same, $\frac{3}{32}$ in. per ft. 03; $\frac{1}{8}$ in. per ft. 04; $\frac{3}{16}$ in. per ft. 06; $\frac{1}{4}$ in.	per ft	08
" $\frac{5}{16}$ in. per ft. 10; $\frac{3}{8}$ in. per ft. 15; $\frac{1}{2}$ in.	per ft	20
URINALS, glass, plain, male, Fig. 1117	each	50
Glass, plain, female, Fig. 1114	each	50
Hard rubber, male, Fig. 1102	each	2 35
" female, Fig. 1103	each	2 35
Porcelain, male, Fig. 1113	each	65
" female, Fig. 1118	each	65
Soft rubber, No. 0, extra large, male, Fig. 1110	each	1 00
" " 1, " "	each	1 15
" " 1, male, Fig. 1107, for children	each	1 00
" " 2, " long, Fig. 1106	each	1 25
" " 3, " day and night, Fig. 1109	each	2 75
" " 3, " for children	each	2 50
" " 4, " Fig. 1108	each	2 00
" " 5, female, Fig. 1105	each	2 00
" " 5, " for children	each	2 00
" " 6, " long, Fig. 1104	each	1 25

For extrophy of bladder, see Urethral Instruments.

PERFORATED BUCKSKIN UNDERCLOTHING.

For full description, see page 38.

Men's Shirt	32 to 42 in.	\$6 00
" Drawers	28 to 40 in.	6 00
" Vest	32 to 42 in.	4 00
" Flannel Lined Vest	32 to 42 in.	5 00
" C. W. Vest, Chamois Front and Back	32 to 42 in.	3 50
" Slippers, per doz.	Nos. 9 to 11	6 00
Ladies' Shirt, with sleeves	28 to 40 in.	6 00
" " without sleeves	28 to 40 in.	5 00
" Drawers (inseam 18 to 20 in.)	22 to 36 in.	5 00
" Vest, with sleeves	28 to 40 in.	4 50
" " without sleeves	28 to 40 in.	3 00
" " " flannel lined	28 to 40 in.	4 50
" French waists	28 to 40 in.	3 00
" " " satin rhad lined	28 to 40 in.	6 00
" " " black chamois and satin rhad lined	28 to 40 in.	6 50



SURGICAL SUNDRIES.

Ladies' Victorine, (3 sizes).....	\$2 00
" Victorine vests, with elastics, flannel lined.....	2 50
" " " " " satin rhad lined.....	3 50
" Slippers, per doz.....	Nos. 8 to 10 6 00

EXTRA CHARGE FOR OVER SIZES.

CHEST PROTECTORS.

CHAMOIS AND EXTRA FINE FLANNEL.

Discount to physicians, 25 per cent from prices on page 726.

	Small.	Medium.	Large.
Single.....doz	\$9 00	\$12 00	\$15 00
Double.....doz	18 00	24 00	30 00
WATER BAGS FOR FACE, Fig. 1039.....each	1 10		
For head, Fig. 1026.....each	1 20		
For spine, 15 inch, Fig. 1028.....each	1 75		
" " 20 ".....each	2 15		
For throat, Fig. 1038.....each	1 10		
No. 1, 13x15, Fig. 1016.....each	2 75		
No. 3, 14x18.....each	3 25		
No. 5, 17x19.....each	3 75		
WATER BOTTLES, Alpha, 1 quart, see page 752.....each	1 10		
Alpha, 2 quart.....each	1 25		
" 3 ".....each	1 35		
" 4 ".....each	1 50		
" 5 ".....each	1 60		
Seamless Rubber Co.'s Pure Rubber, 1 quart, Fig. 1218.....each	1 10		
" " " " " 2 ".....each	1 25		
" " " " " 3 ".....each	1 35		
" " " " " 4 ".....each	1 50		
" " " " " 5 ".....each	1 60		
" " " " " "Excelsior," 1 " Fig. 1217.....each	1 35		
" " " " " 2 ".....each	1 50		
" " " " " 3 ".....each	1 70		
" " " " " 4 ".....each	1 80		
" " " " " 5 ".....each	1 90		
WATER BOTTLES AND FOUNTAIN SYRINGES, Mattson's Fig. 1197...each	1 90		
WATER COILS, Head, height 4 in., diameter 7 in., Fig. 1043.....	2 25		
Head, height 5 in., diameter 7 in.....	2 65		
Oblong, 3x5, Fig. 1041.....	1 15		
" 5x9.....	1 85		
" 7x11.....	2 65		
Round, 5 inch, Fig. 1040.....	1 15		
" 9 ".....	1 85		
" 13 ".....	2 65		
Square, 6 " Fig. 1042.....	1 85		
" 10 ".....	3 00		
" 14 ".....	4 50		
Throat, 3x9.....	1 25		
" 3x12.....	2 00		

HAS TRUAX & CO. GREENE

SURGICAL SUNDRIES.

CHEST, LUNG AND BODY PROTECTORS.

Prices to patients, see page 725.



Frost King.
FOR MEN.
Prices Each.

Chamois
Felt
Lined.

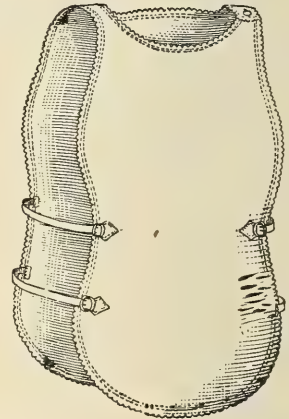
No.		
220.	40 in. chest....	\$4 50
221.	38 in. chest....	4 00
222.	36 in. chest....	3 75
223.	34 in. chest....	3 50
224.	32 in. chest....	3 00



Frost Queen.
FOR WOMEN.
Prices Each.

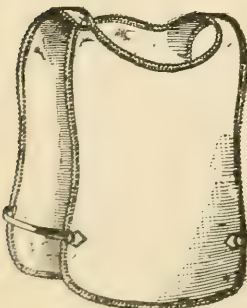
French Flannel
Chamois Lined.

No.		
220.	38 in. bust.....	\$5 50
221.	36 in. bust.....	5 00
222.	34 in. bust.....	4 50
223.	32 in. bust.....	4 00
224.	30 in. bust.....	3 75

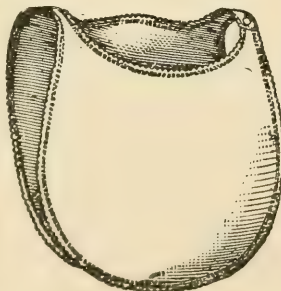


**Kidney, Abdominal, Chest
and Lung.**
Price per Dozen.

No.	Chamois	English Felt.
153.	Mammoth..	\$42 00 \$30 00



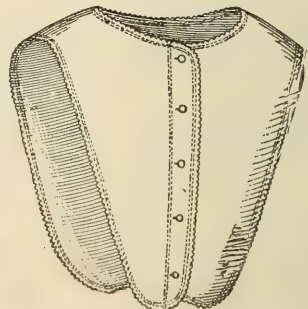
Yankee Cuirass.
Price per Dozen.



**Double Chest and Lung
Protector.**
Price per Dozen.

No.		English Chamois.	Felt.
130.	Extra Large..	\$30 00	\$24 00
131.	Large	25 00	18 00
132.	Medium	21 00	15 00
133.	Small	18 00	13 50

No.		English Chamois.	Felt.
121.	Large	\$18 00	\$12 00
122.	Medium....	15 00	10 00
123.	Small	12 00	8 00



Ladies' Victorines.
Price per Dozen.

No.		
162.	French Flannel, cham- ois lined.	\$33 00
162.	Chamois.	27 00
162.	Lamb's Wool.....	51 00

SURGICAL SUNDRIES—RUBBER GOODS.

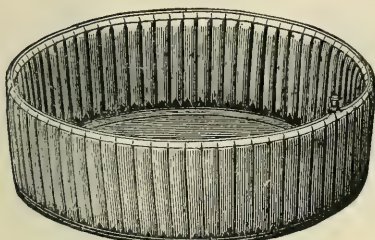


Fig. 1005. Rubber Bath Tubs. Prices to patients, \$15.00 to \$25.00. See p. 718.

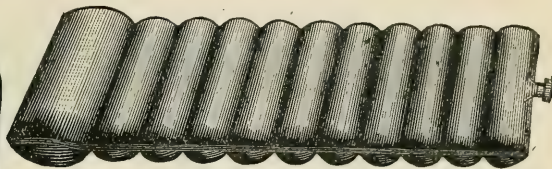


Fig. 1013. Air Beds. Prices to patients, \$30.00 to \$50.00. See p. 718.

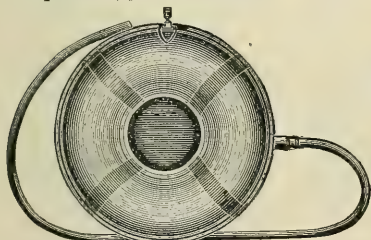


Fig. 1006. Round Bed Pan with outlet pipe. Price to patients \$5.00. See p. 718.

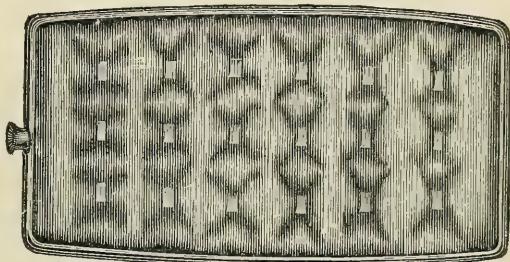


Fig. 1008. Water Beds. Prices to patients, \$21.00 to \$50.00. See page 718.

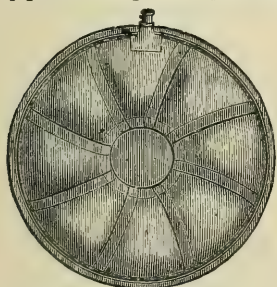


Fig. 1009. Round Chair Cushion. Price to patients, \$3.50. See p. 719.

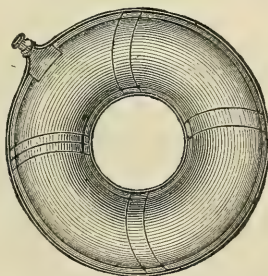


Fig. 1010. Invalid Ring. Prices to patients, \$2.50 to \$3.75. See p. 720.

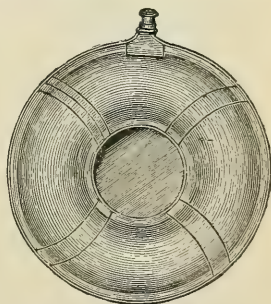


Fig. 1007. Plain Round Bed Pan. Price to patients, \$4.00. See p. 718.

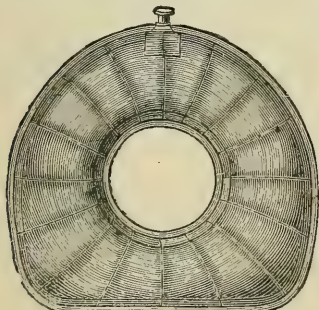


Fig. 1011. Half Round Chair Cushion. Price to patients, \$5.00. See p. 719.

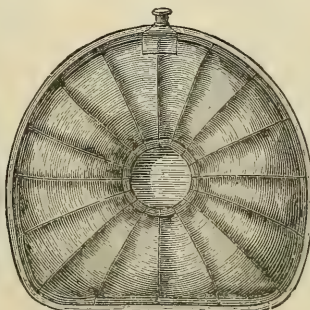


Fig. 1012. Hospital Chair Cushion. Price to patients, \$6.00. See p. 719.

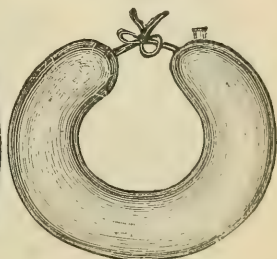


Fig. 1013a. Air Pillow for Neck. Price to patients, \$5.00. See p. 721.

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SURGICAL SUNDRIES—RUBBER GOODS.

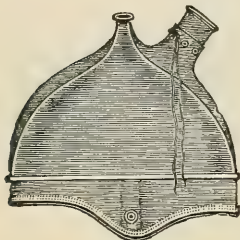


Fig. 1022. Helmet Ice Cap. Price to patients, \$2.50 to \$5.00. See page 720.



Fig. 1028. Spine Water Bag. Price to patients, \$2.25 to \$3.00. See page 725.

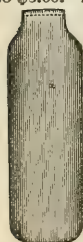


Fig. 1019. No. 2 Ice Bag. See page 719.

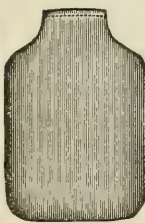


Fig. 1020. No. 3 Ice Bag. See page 719.

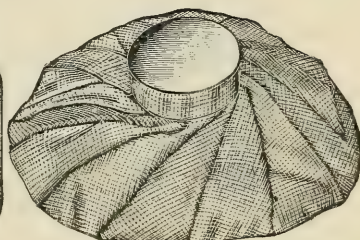


Fig. 1014. German Ice Bag. Price to patients, \$1.00. See page 719.

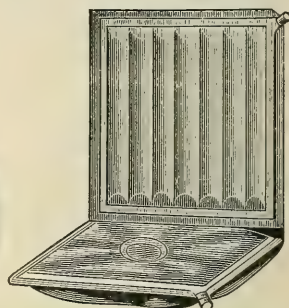


Fig. 1017. Chair Cushion, with back. Price to patients, \$7.50 to \$9.00. See page 719.

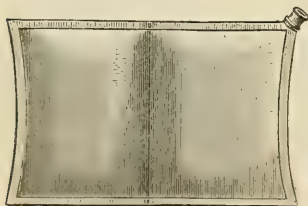


Fig. 1015. Air Pillows. Price to patients \$2.50 to \$5.00. See page 720.



Fig. 1018. No. 1 Ice Bag. See page 719.

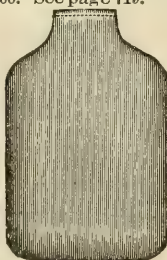


Fig. 1021. No. 4 Ice Bag. See page 719.

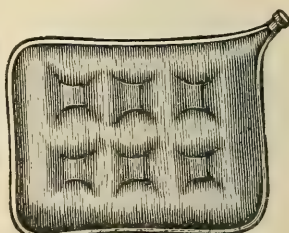


Fig. 1016. Water Bag. Price to patients, \$4.25 to \$5.25. See page 725.

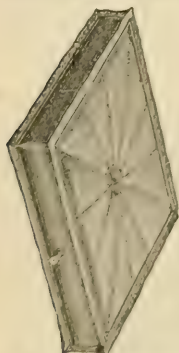


Fig. 1025. Carriage Cushion. Price to patients, \$6.75. See page 719.

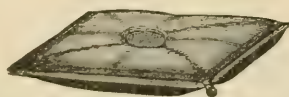


Fig. 1023. Chair Cushion. Price to patients, \$4.50. See page 719.

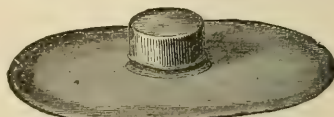


Fig. 1024. Flat Pure Gum Ice Cap. Price to patients, \$2.50. See page 720.

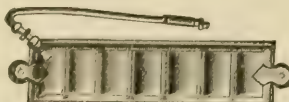


Fig. 1026. Head Bag. Price to patients, \$2.00. See page 725.

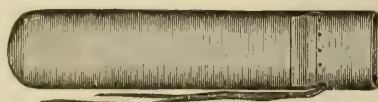


Fig. 1027. Spinal Ice Bag. \$1.35 to \$2.25. See page 719.

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SURGICAL SundRIES—RUBBER GOODS.

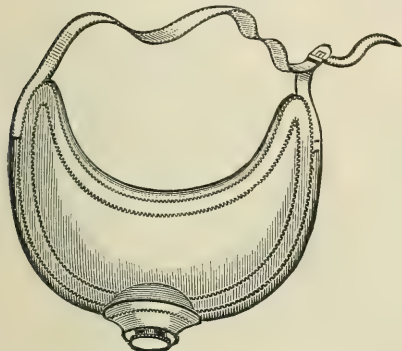


Fig. 1038. Water Bag for Throat. Price to patients, \$1.50. See page 725.

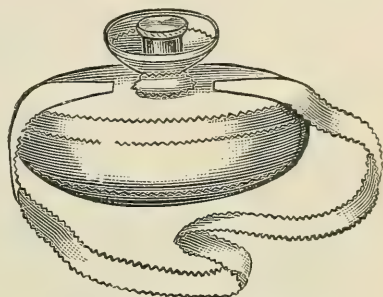


Fig. 1039. Water Bag for Face. Price to patients, \$1.50. See page 725.

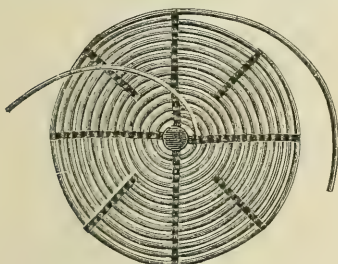


Fig. 1040. Round Water Coil. Price to patients, \$2.00 to \$4.00. See page 725.

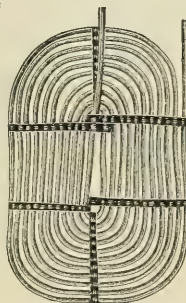


Fig. 1041. Oblong Water Coils. Price to patients \$2.00 to \$4.00. See page 725.

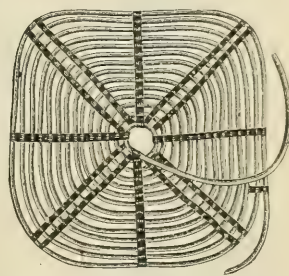


Fig. 1042. Square Water Coils. Price to patients, \$2.00 to \$4.00. See page 725.

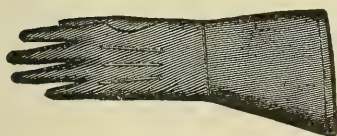


Fig. 1044. Men's Long Heavy Rubber Gloves. Net price, \$3.25. See page 719.

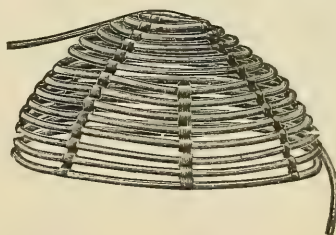


Fig. 1043. Head Coils. Price to patients \$3.50 to \$4.25. See page 719.

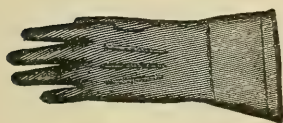


Fig. 1045. Half Long Rubber Gloves. Net prices, \$1.25 to \$2.00. See page 719.

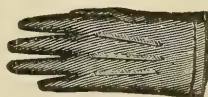


Fig. 1046. Short Rubber Gloves. Net prices, \$1.00 to \$1.15. See page 719.

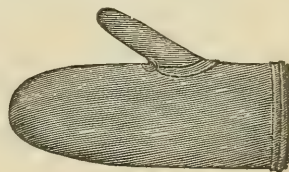
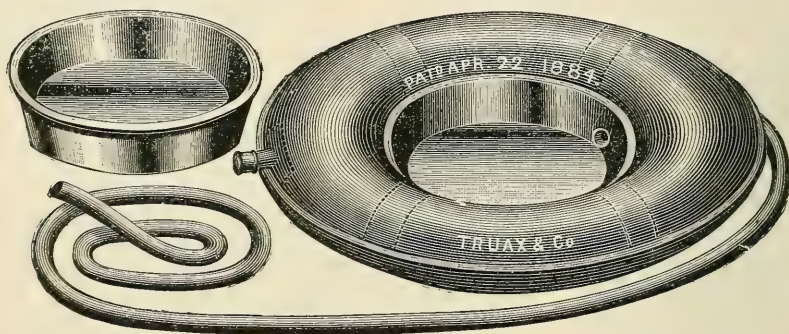


Fig. 1047. Men's Rubber Mitts. Net price, \$1.00. See page 720.



THE DRAKELEY BED PAN AND DOUCHE.

THE MOST CONVENIENT AND ECONOMICAL BED PAN IN USE.



This bed pan and douche consists of a soft rubber invalid ring, in the center of which, by means of a double flange, a metal basin is firmly secured. This basin is provided with an outlet of sufficient size to allow the free passage of all fluid discharges, and when used as a vaginal douche an unlimited quantity of liquid may be used at one injection.

The extra pan shown in above cut is used to receive the contents of the rectum, and after use this pan, with its contents, may easily be removed and cleaned. This latter feature particularly adapts the Drakeley bed pan to hospital use, for, by purchasing several extra pans, a single outfit may be made to serve the wants of a large number of patients, as the extra pans, as fast as used, may be placed in covered buckets and all removed and cleaned at once.

The soft rubber cushion affords a comfortable support for the patient and all danger of soiling either the bedding or the clothing is avoided.

PRICE TO PATIENTS.

Bed pan alone.....	\$5 00
Bed pan and douche (the latter includes a 1-gallon metal reservoir, with suitable tubing and rectal and vaginal pipes), as shown in accompanying cut ...	6 50
Extra pans for bed pan.....	10

See page 718.

CHAS. TRUAX, GREENE & CO., MANUFACTURERS, 75 & 77 WABASH AVENUE, CHICAGO, ILL.

HAS TRUAX & CO GREENE & CO

SURGICAL SUNDRIES.

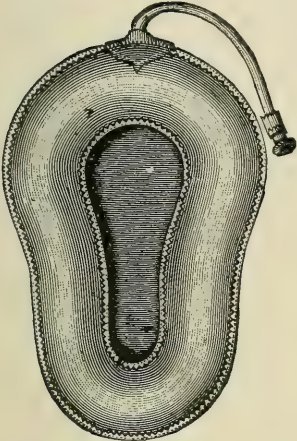


Fig. 1048.

Price to patients, \$5.00 See page 718.

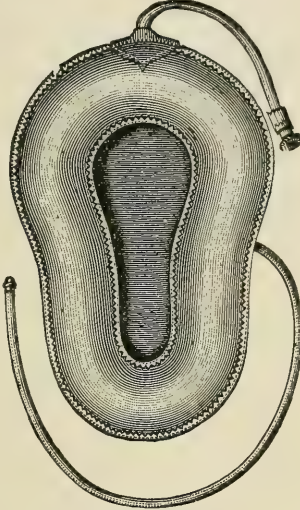


Fig. 1049.

Price to Patients, \$6.00. See page 718.

Fig. 1052. Eureka Bed-Pan. Price \$1.50
Patented March, 1889. See page 718.

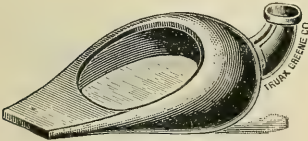
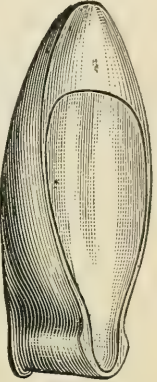


Fig. 1051. Earthen Bed-Pan, \$1.25
to \$1.50. See page 718.

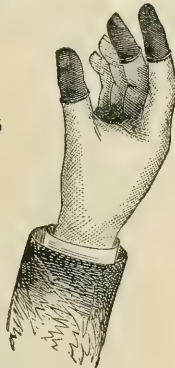


Fig. 1055.
Finger Cots.
Doz., 35c.
See page 719.

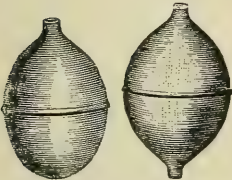


Fig. 1065. Fig. 1066.

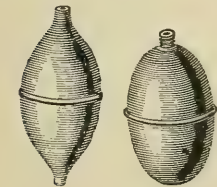


Fig. 1067. Fig. 1068.
Syringe and Atomizer
Bulbs.
For prices, see page 719.

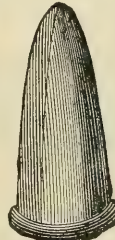


Fig. 1056.

Regular Nipple.



Fig. 1057.

Common Sense Nipple.

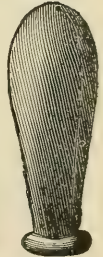


Fig. 1058.

Maw's Nipple.

For prices of Nipples, see page 720.

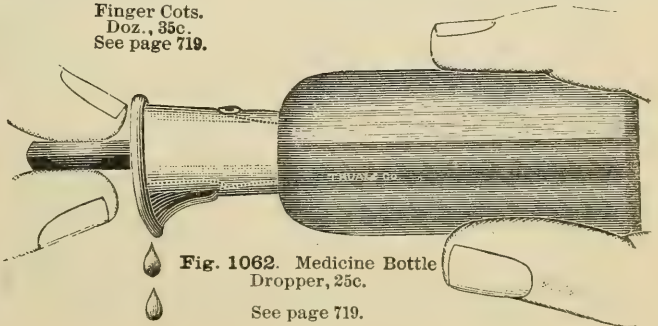


Fig. 1062. Medicine Bottle
Dropper, 25c.

See page 719.



"MIZPAH" VALVE DROPPERS.



No. 93.



No. 92.



No. 91.

properties; while in the MIZPAH DROPPER, the liquid used is preserved perfectly pure and clean.

It is also provided with a long slender point which will reach well into a deep bottle. They are made into three styles of points and retail for 10 cents each.

Each Dropper in a Slide Box, 10c. each.

These Droppers and Pipettes have a Valved Stopper in the end near the bulb that prevents the liquid used from entering the rubber bulb, but at the same time will allow the air to pass through when the bulb is compressed and again expands to draw the liquid into the barrel.

This is a valuable feature, as it is well known that in all rubber bulbs, a flakey and powdery substance collects on the inner surface of the bulb as the rubber ages, which in ordinary Droppers and Pipettes becomes mixed with the liquid used, and often produces deleterious and injurious effects and destroys the medicinal



Fig. 1063. Straight Medicine Droppers, doz., 35c. See page 719.



Fig. 1064. Bent Medicine Droppers, doz., 35c. See page 719.

MATTSON'S GRENOBLE BREAST PUMP.

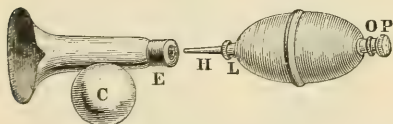


Fig. 1069. Mattson's Grenoble Breast Pump.

This pump has become a favorite with physicians and is the most popular breast pump in the market; with the valves it gives a vibratory movement to the breast, thus causing the milk to flow easily.

Price to patients.....\$1.00 See page 718

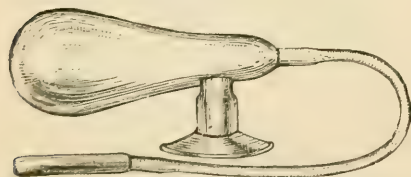


Fig. 1070. Economic Breast Pump. Price to patients, 50c. See page 718.

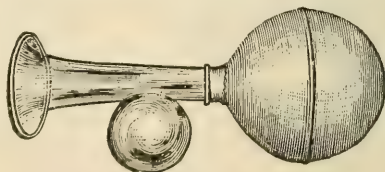


Fig. 1071. English Breast Pump. Price to patients.....\$0.60 See page 718



Fig. 1072. Plain Nursing Bottle Fitting. Net doz., 50c. See page 720.

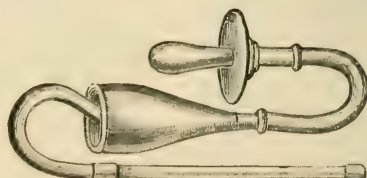
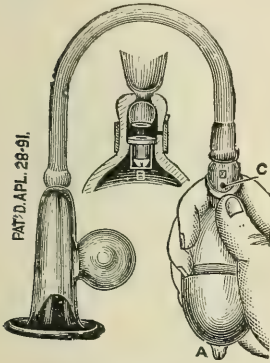


Fig. 1073. Best Nursing Bottle Fittings. Price, net, doz.....\$1.25 See page 720

CHAS. **TRUAX** & **GREENE** & CO.



"MIZPAH"

CONTINUOUS SUCTION

BREAST PUMP.

The Only Perfect Breast Pump in Use.

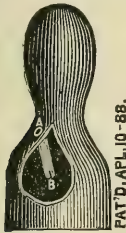
THE REASONS WHY:

1st. You can make a Continuous Suction for any length of time.
2nd. You can make the suction as strong or as light as you may desire, so that the milk may be easily drawn in difficult cases, and the same pump may be operated so as to draw very mildly and not cause pain to a tender nipple.

3d. It may easily be detached from the breast without pain to the patient.

4th. It is the most cleanly of any Breast Pump.

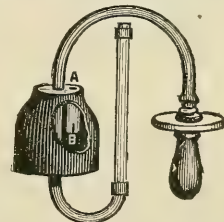
"Mizpah" Breast Pumps have three valves, viz: **A**, **B** and **C**, and are useful as follows: The valve **A** will let the air pass out of, but not into the bulb, the valve **B** will let air pass from the glass into the bulb, but not from the bulb into the glass. The valve **C** is an opening in the neck of the bulb, covered with a band, and admits air into a glass when needed, to make the suction easy, or to detach the Pump from the nipple. The valve **B** is inside the neck of the bulb. For prices, see page 718



No. 56. "Mizpah" Nipple



No. 46. "Mizpah" Nipple.



No. 650. "Mizpah" Fitting.

For prices, see page 720.

Explanation of Engravings.

As the milk is drawn from the bottle air will enter the valve at **A** and passing in will press open the slit at **B** and enter the bottle and prevent any vacuum being formed, so that nursing must be perfectly easy.

VALVE NIPPLES AND FITTINGS PREVENT COLIC IN CHILDREN.

BECAUSE The valve admits air to the bottle as the milk is drawn out, and prevents a vacuum being formed. There being no vacuum, nursing becomes as easy as drinking from a cup.

CONSEQUENTLY THERE IS No Hard Drawing to cause the child to swallow air.
No Wind in the Stomach. No Colic in the Baby.

We use only the purest and best of Rubber in manufacturing these goods, and guarantee them **PERFECTLY HARMLESS.**

WALTER F. WARE, 70 North Third Street, PHILADELPHIA, PA.

A Sample of this Nipple will be mailed free of charge upon request.

ORDERS FILLED BY CHAS. TRUAX, GREENE & CO.

HAS TRUAX GREENE & CO

SURGICAL SUNDRIES.

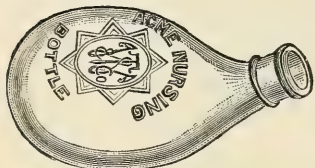


Fig. 1074. Plain Nursing Bottle, net doz., 75c. See page 720.



Fig. 1075. Flint Glass Nursing Bottle, complete, net doz., \$1.50. See page 720.



Fig. 1076. Rubber Nipple Shield, net doz., 60c. to 75c. See page 720.

DAVIDSON RUBBER CO.'S PATENT HEALTH NIPPLES NOS. 44 WHITE, 48 PURE GEM AND 54 MAROON STOCK.

These nipples are made of the purest of stock and their peculiar shape gives a nipple and mouth guard in one piece, while the guard allows the nipple to be bent without collapsing.

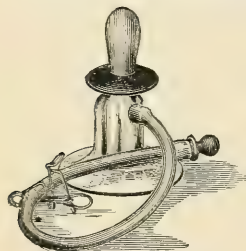


Fig. 1080. Davidson's Duplex Nipple Shield No. 41. Price to patients, \$1.00. See page 720.

DAVIDSON RUBBER CO.'S DUPLEX NIPPLE SHIELD.

This Duplex Nipple Shield has been especially invented to meet the necessity of mothers suffering extreme pain from sore or depressed nipples, brought on when the child first commences to nurse.

Its great success in the hospitals and homes has made it invaluable as a preventive against many troubles so much dreaded both by the mother and the attending physician.

Physicians wishing their patients to use the best should prescribe "Davidson's."



DAVIDSON RUBBER CO.

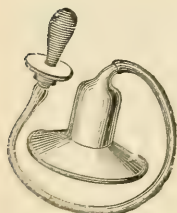


Fig. 1081. Nipple Shield. For prices see page 720.



Fig. 1082. Nipple Shield. For prices see p. 720.



Fig. 1083. Nipple Shell. For prices see p. 720.



Fig. 1084. Feeding Spoon. For prices see page 721.



Fig. 1085. Feeding Dish. For prices see page 719.

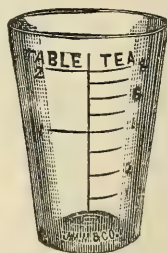


Fig. 1086. Medicine Glasses. For prices see p. 720.

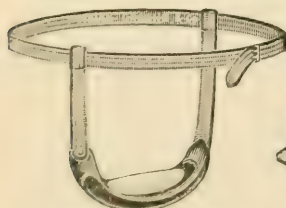


Fig. 1079. Soft Rubber Menstrual Cup, to patients, \$1.50. See page 720.



Fig. 1077. Sanitary Pads for Menstrual Period, per doz., to patients, 75c. See page 720.

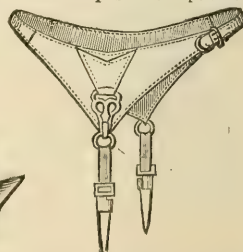


Fig. 1078. Menstrual Belt, Rubber. Price to patients, 75c. See page 720.

HAS TRUAX & CO. GREENE & CO.

SURGICAL SUNDRIES.

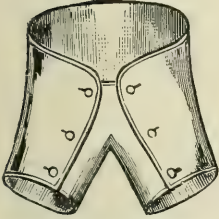


Fig. 1099. Rubber Diapers. To patients, 75c. See page 719.

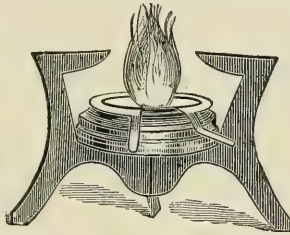


Fig. 1087. Alcohol Stove. For prices see page 721.

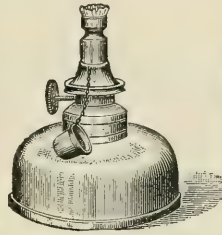


Fig. 1088. Brass Alcohol lamp, 50c. See page 720.



Fig. 1094. Leather Cover Flasks. For prices see p. 719.



Fig. 1090. Glass Brushes for applying Acids, 15c. See page 719.

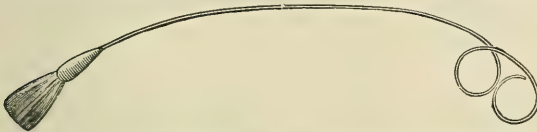


Fig. 1091. Wire Handle Brushes, doz. \$1.00. See page 719.



Fig. 1092. Bent Quill Brushes, doz. 90c. See page 719.



Fig. 1093. Papier Mache Spit Cups. For prices see page 721.



Fig. 1089. Spit Cups. For prices see page 721.

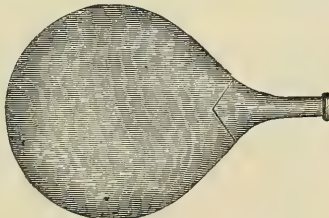


Fig. 1095. Oval Gas Bag. For prices see Oxygen Apparatus.

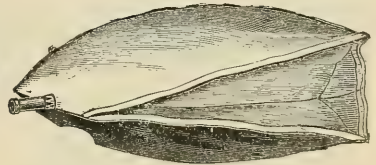


Fig. 1096. Oblong Gas Bag. For prices see Oxygen Apparatus.

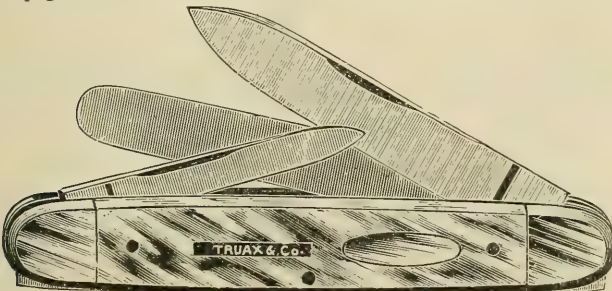


Fig. 1097. Physician's Knives, with spatula blade, guaranteed of fine quality, \$1.25.

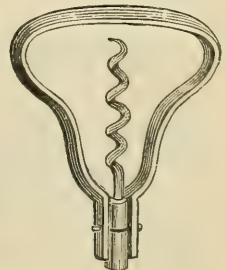


Fig. 1098. Folding Cork Screws, each 15c; doz. \$1.50.

SURGICAL SUNDRIES—URINALS.

DAVIDSON RUBBER CO.'S HARD RUBBER URINALS.

These goods are for use where the patient is confined to the bed, and are much more durable than the glass, earthen, or crockery urinal, as they are made of hard rubber, which renders them less liable to break by striking against any hard object, and being non-conductors of heat are much more preferable for use.

They are made of a peculiar shape, so as to fit in position when in use, and by physicians and those who have used them, they are pronounced to be decidedly the most convenient article of the kind ever made. See page 724.

Price to patients, \$4.50

DAVIDSON RUBBER CO.

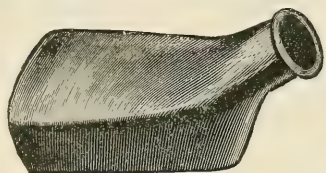


Fig. 1102.

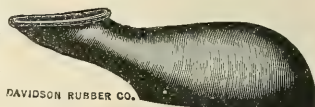


Fig. 1103.



Fig. 1106. No. 2 Long Male Urinal. To patients, \$2.00. See page 724.

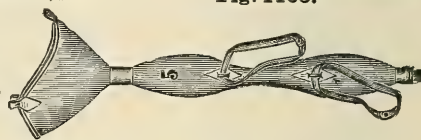


Fig. 1104. No. 6 Long Female Urinal. To patients, \$3.00. See page 724.



Fig. 1110. No. 0 Large Male Urinal. To patients, \$2.25. See page 724.



Fig. 1107. No. 1 Male Urinal. To patients, \$2.00. See page 724.



Fig. 1105. No. 5 Female Urinal. To patients, \$4.00. See page 724.

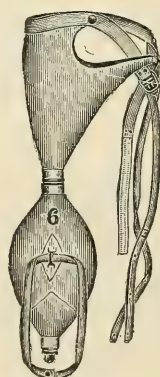


Fig. 1108. No. 4 Male Urinal. To patients, \$4.00. See page 724.

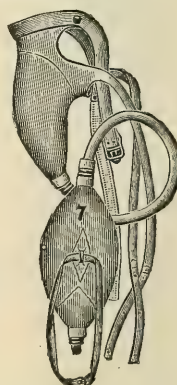


Fig. 1109. No. 3 Male Urinal. To patients, \$4.50. See page 724.



Fig. 1113. Male Porcelain Urinal. Price to patients, \$1.00.



Fig. 1114. Glass Female Urinal. Price to patients, \$1.00.

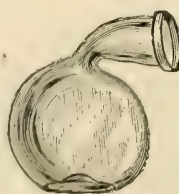


Fig. 1118. Female Porcelain Urinal. Price to patients, \$1.00.

See also page 724.



SYRINGES.

GOODRICH RUBBER CO.'S HARD RUBBER SYRINGES



Fig. 1144. Male Syringe, $\frac{1}{8}$ oz., doz. \$2.00.



Fig. 1145. Male Syringe, $\frac{1}{8}$ oz., doz. \$2.00.

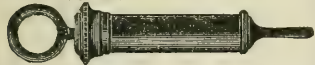


Fig. 1146. Male Syringe, $\frac{1}{4}$ oz., doz. \$2.50.



Fig. 1147. Male Syringe, $\frac{1}{4}$ oz., doz. \$3.00.



Fig. 1147 A. Male Bulb-point Syringe, $\frac{1}{4}$ oz., doz. \$4.25.



Fig. 1148. Male Syringe, $\frac{3}{8}$ oz., doz. \$4.50.



Fig. 1148 A. Dental Syringe, 3-16 oz., each 50 cents.



Fig. 1150. Rectal Syringe, $\frac{1}{2}$ oz., doz. \$5.25.

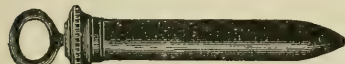


Fig. 1150 A. Male Syringe, $\frac{1}{2}$ oz., doz. \$6.00.



Fig. 1151 A. Vaginal Syringe, 1 oz., doz. \$4.50.



Fig. 1152 A. Infants' Syringe, $\frac{1}{2}$ oz., doz. \$4.75.

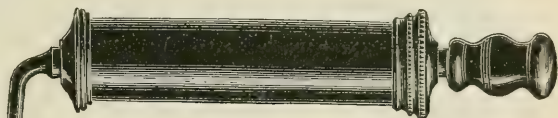


Fig. 1154 A. Battery Syringe, 12 oz., each \$1.75.

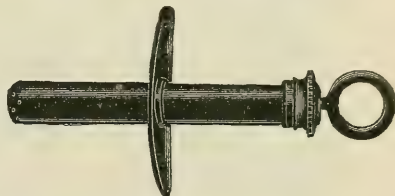


Fig. 1155 A. Vaginal Syringe with shield, 1 oz., doz. \$6.75.



Fig. 1156 A. Vaginal Syringe, $\frac{1}{4}$ oz., doz. \$4.00.



Fig. 1157 A. Ear Syringe, 1 oz., each 70 cents.



Fig. 1158. Vaginal Syringe, 2 oz., doz. \$6.25.

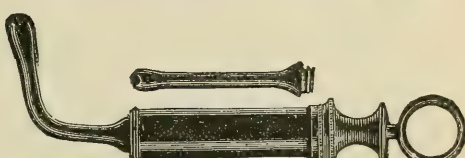


Fig. 1159. Glycerine Syringe, $\frac{1}{2}$ oz., doz. \$8.00.



Fig. 1160 A. Plain Suppositors, No. 5, doz. \$3.00, No. 6, doz. \$3.75.



Fig. 1161 A. Ring Handle Suppositors, No. 1, doz. \$4.50, No. 2, doz. \$5.00.

FOR SALE BY CHAS. TRUAX, GREENE & CO. SEE PAGES 721 AND 722.



SURGICAL SUNDRIES—SYRINGES.

GOODRICH RUBBER CO.'S HARD RUBBER SYRINGES.

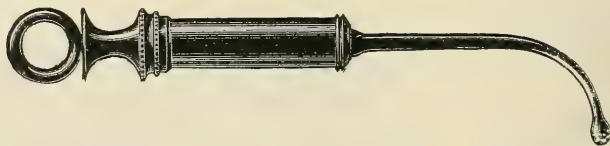


Fig. 1162 A. Catarrhal Syringe, 1 oz. \$0 85

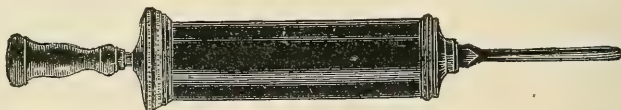


Fig. 1164. 2 oz. Rectal Syringe doz \$7 50
3 oz. Rectal Syringe doz 9 00

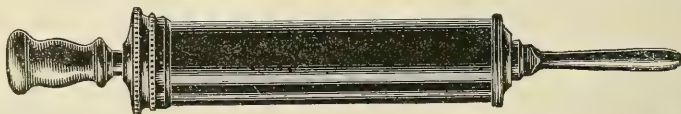


Fig. 1165 A. Rectal Syringe, with rectal, bent vaginal and shield pipes. For prices see page 722.

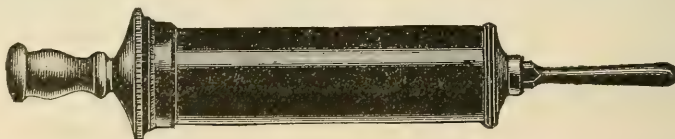


Fig. 1166. 4 oz. Rectal Syringe doz \$10 50
6 oz. Rectal Syringe doz 12 50
6 " " " with bent pipe, rectal pipe doz 13 00
6 " " " with straight and bent rectal and vaginal pipes. doz 16 00
12 " " " doz 17 50



Fig. 1167. Uterine Syringe, ½ oz. each \$ 75

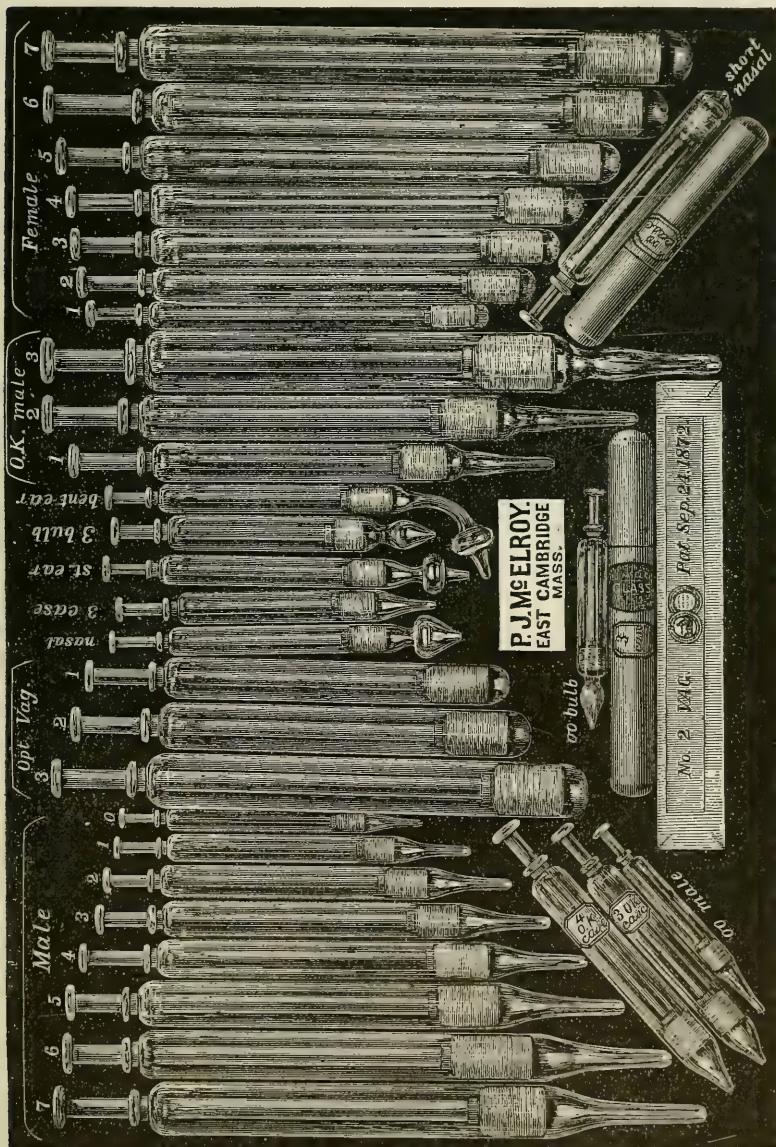


Fig. 1168. Long Pipe Uterine Syringe, 1½ oz. each \$1 00

FOR SALE BY CHAS. TRUAX, GREENE & CO. SEE PAGE 722.

CHAS. TRUAX & CO. GREENE & CO.

McELROY'S SYRINGES.



These syringes are made according to the directions of the most skillful physicians and recommended by the medical profession as the best in the world.

ORDERS FILLED BY CHAS. TRUAX, GREENE & CO. See Page 721.

CHAS. TRUAX & CO. GREENE

SURGICAL SUNDRIES—SYRINGES,



DAVIDSON RUBBER CO.

Fig. 1188.

PHYSICIANS' COMBINATION SYRINGE No. 456.

This syringe which is composed of a 2-oz. hard rubber barrel, with seven pipes is a neat and handy instrument and with the different pipes forms a combination which will cover almost any case in which a syringe is wanted.

The Davidson Rubber Co. manufacture a full line of hard rubber syringes in all styles and sizes. For prices see page 722.



Fig. 1191. The Physician's Syringe, with 7 hard rubber pipes, put up in neat box. Net price, \$2.50 See page 722.

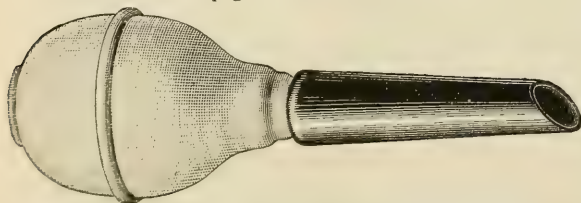


Fig. 1197. Ladies' Syringe, with Hard-rubber Tube. Price to patients, \$2.00. See page 723.

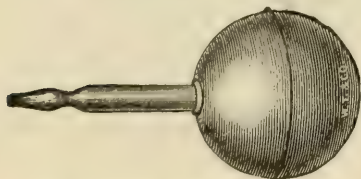


Fig. 1175. Urethral Syringe, with Rubber Bulb and Glass Nozzle, doz., \$1.10. See page 723.



Fig. 1171. Glass Male Syringes, Cone Shape. For prices see page 721.



Fig. 1169. Glass Ear Syringes, Bent, doz., 85c. See page 721.



Fig. 1170. Glass Ear Syringes, Straight, doz., 80c. See page 721.



Fig. 1172. Glass Male and Female Syringes. See prices on page 721.

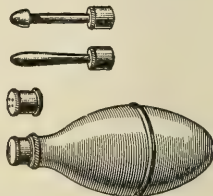


Fig. 1177. Eye and Ear Syringe, doz., \$3.00. See page 723.

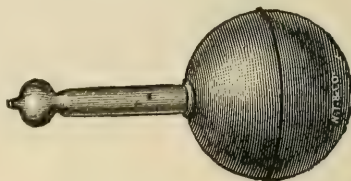


Fig. 1176. Ear Syringe, with Rubber Bulb and Glass Nozzle, doz., \$1.10. See page 723.

FOR SALE BY CHAS. TRUAX, GREENE & CO.



THE "KNAP" LADIES' SYRINGE.

(FORMERLY CALLED "LADIES' IDEAL.")

DOCTOR: This is just what you have been looking for. You, no doubt, have had trouble in getting your lady patients to use water, such as is hot enough to be of service. This can be done by using the Knap Ladies' Syringe. The outer cone insulates the inlet pipe, while the shield prevents leakage, even in a recumbent position. If your druggist does not keep them and will not supply them, we will send you one by mail on receipt of price. We prefer to have them recommended to the druggists, so that patients can be supplied readily through them. Universally recommended by physicians of every school, as it is perfectly aseptic.

• •

PRICE LIST.

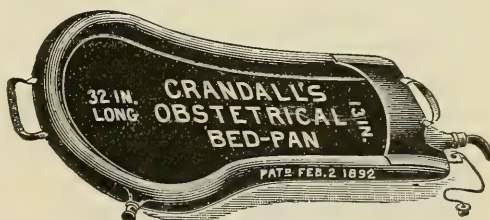
No. 1—Vaginal Nozzle and 4-foot Escape Tube	each	\$2 50
No. 2—Same as No. 1, with Bulb Syringe and two Special Rectal Tubes	each	3 00
No. 3—Same as No. 1, with two-quart Fountain Bag and Rectal Tubes,	each	3 50

Price to Physicians 50 Cents less than Retail.



CRANDALL'S . OBSTETRICAL . BED . PAN.

It is made of soft rubber, with an inflatable rim surrounding three sides of the pan, forming a soft, easy cushion on which the patient may lie, while the rim forms a dam which prevents any liquid escaping or soiling the bed during confinement. On the fourth or lower side a pocket holding two or three quarts is formed, held always open by a steel spring covered with rubber. From this pocket is an outlet, a metal tube with screw cap, to which may be attached a rubber hose, which we furnish, of good size and four feet in length, which carries the fluid to a convenient receptacle below.



...CHICAGO MEDICAL SPECIALTY HOUSE.
PROPRIETORS.

Dealers in Specialties of Merit.
We introduce New Specialties on Royalty or Purchase.

CHAS. TRUAX & CO. GREENE

SURGICAL SUNDRIES—SYRINGES.

Fig. 1195. The Seamless Rubber Co's Excelsior Family Fountain Syringe.

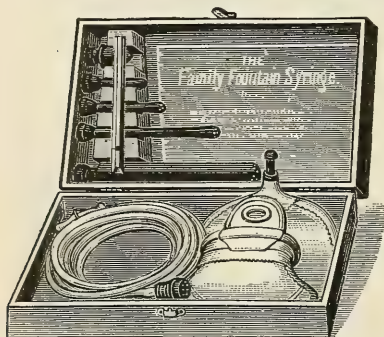


Fig. 1195. Packed in fancy wood boxes, like the above cut.

The best Fountain Syringe Made.

The Excelsior Fountain Syringe is made of the best quality of white rubber, from pure Para gum and has six polished hard rubber pipes, as follows: large vaginal, irrigator, vaginal, rectal, nasal and spray pipes; also hard rubber connections connecting tubing to bag. We can guarantee this syringe to give the best satisfaction to all who use it.

1 quart, price to patients...	\$2 00
2 " " " " " " " " " " " "	2 25
3 " " " " " " " " " " " "	2 50
4 " " " " " " " " " " " "	2 75

See page 723.

MATTSON'S COMBINATION FOUNTAIN SYRINGE.

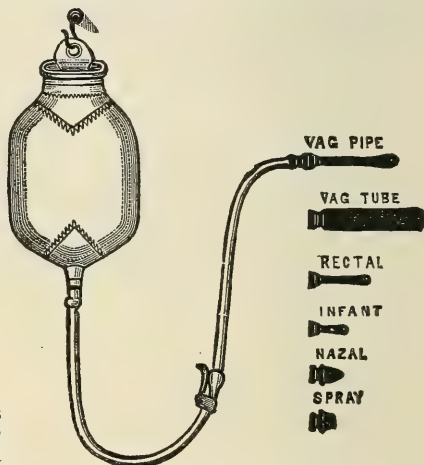


Bag detached from Syringe to be used as a Water Bottle.

This bag may be filled the old way if preferable.

We only make one size of bag, which holds three quarts.

Price to patients, \$2.50. See p. 723.



Syringe ready for use.

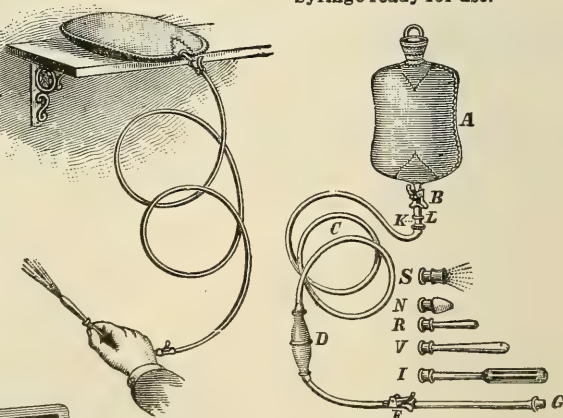


Fig. 1197.

MATTSON'S GRENOBLE SYRINGE No. 4.

Fig. 1199. Patented. No screws; no washers. Mahogany box.

With hard rubber tubes and valve chambers, and vaginal irrigator attachment.

This syringe is a great favorite, and is the most complete syringe in the market for ladies.

It has our vaginal irrigator, which is so efficient in cleansing the vagina in the treatment of leucorrhoea and other female complaints. The tubes are all hard rubber.

Price to patients. \$1 50

See page 723.

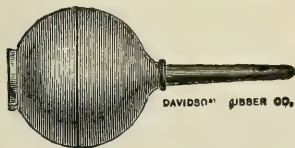
ORDERS FILLED BY

CHAS. TRUAX, GREENE & CO.

Fig 1199.

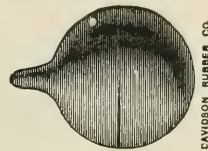
CHAS. TRUAX & CO. GREENE & CO.

SURGICAL SUNDRIES—SYRINGES.



Davidson Rubber Co's Soft Rubber Syringe No. 6
Net price per doz., \$2.25. See page 722.

Physicians desiring
this manufacture
will please specify
"Davidsons."



Davidson Rubber Co's Urethral Syringe,
1 oz. Doz. 2.50. See page 722.

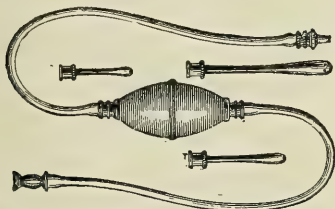


Fig. 1207. Truax, Greene & Co's Dearborn Syringe, with hard rubber pipes, in wood box. Doz. \$6.00. See page 723.

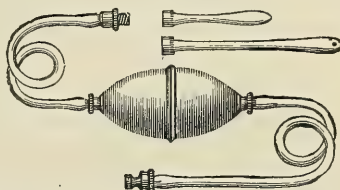
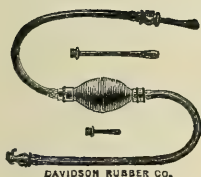


Fig. 1208. Truax, Greene & Co's Chicago Syringe, with metal pipes. Doz. \$4.00. See page 723.

DAVIDSON'S RUBBER CO.'S SYRINGES.

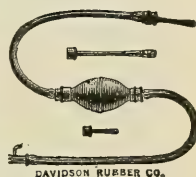
We manufacture a large variety of these goods, some of which, such as the Davidson Patent Syringe, Nos. 1 and 2, are too well known to require any remarks from us, except to say, that we have added an extra improvement over all other syringes made, for which we have obtained letters patent, which consists in making the metal suction end in the form of a hook; by this device the syringe can be suspended after use, which allows all the liquid to drain from it, consequently preventing the decay of the rubber parts from this cause, and greatly adding to the durability of the instrument.



No. 1.

Fig. 1215. White, Patent, Hard Rubber and Metal Pipes.

Price to patients, \$2.50. See page 723.



No. 2.

Fig. 1215. White, Patent, Hard Rubber and Metal Pipes.

Price to patients, \$2.25. See page 723.

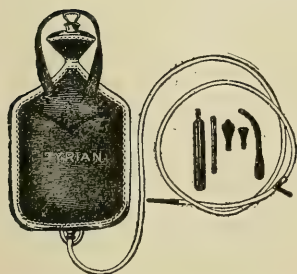


Fig. 1216. For prices, see page 723.

The word "TYRIAN" on Rubber Goods is a guarantee of their quality.

"TYRIAN"

Combination Fountain Syringe and . . .
Hot Water Bottle, . . .

Six Hard Rubber Pipes. Rubber Tube Detachable.
Handsome Hardwood Box.

ORDERS FILLED BY CHAS. TRUAX, GREENE & CO.

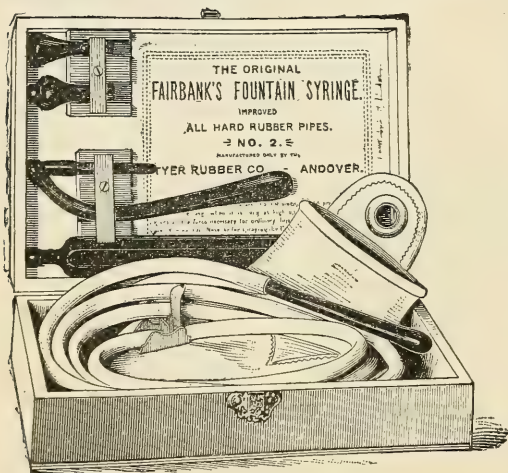
CHAS. TRUAX & CO. GREENE

Atomizers, Inhalers, Syringes (Hard Rubber and Bulb.) Nipples,
Breast Pumps, Finger Cots, Nursing Bottles,
Sheeting, Tubing, Air Goods,

TYRIAN

Bandages, Gloves, Chair Tips,
Syringes (Fairbank's Fountain.) Pessaries, Teething Rings,
Water Bottles.

MANUFACTURED BY TYER RUBBER CO., Andover, Mass.



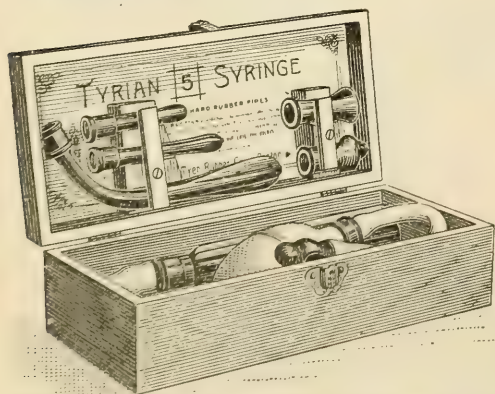
TYRIAN Fountain Syringes

Have the bent vaginal tube, and the improved fluted irrigator, both of which have been so highly indorsed by the Medical fraternity. The style of the syringe is without an equal.

No. 1.	1 pt., to Patients....	\$1 50
" 2.	1 qt., "	1 75
" 3.	2 " "	2 00
" 4.	3 " "	2 25
" 5.	4 " "	2 50

See page 723.

WITH SIX HARD RUBBER PIPES.
POLISHED WOOD BOX.



TYRIAN No. 5.

This instrument is first-class in all respects, is made of the very best rubber, has hard rubber valve boxes, six hard rubber pipes, and hard rubber sinker. It includes bent fluted vaginal and corrugated irrigator.

Price to patients\$1 50

See page 723.

IN POLISHED WOOD BOX.

ORDERS FILLED BY CHAS. TRUAX, GREENE & CO.

CHAS. TRUAX GREENE & CO.

SURGICAL SUNDRIES.



Fig. 1549. TRUAX, GREENE & CO'S ASEPTIBLE SYRINGE, NO. 1.

This siphon starter and cut-off may be attached to any receptacle for fluid.

Syringe complete as shown in illustration..... each \$1.00, doz. \$11 00
 Patent cut-off only..... each 50

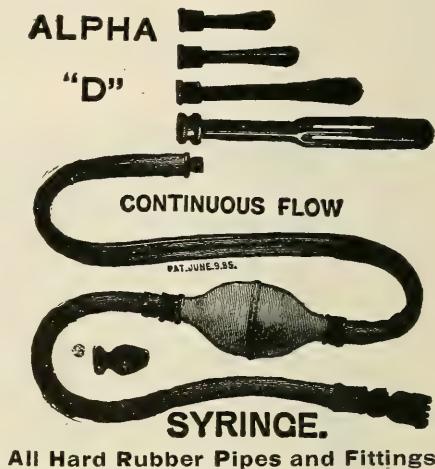
Directions for Using.—Place the “U”-shaped tube over the edge or rim of the pail, pitcher, bottle or other utensil holding the water. Set or hang the utensil higher than the couch or bed on which the patient is lying. Slip the rolling clamp well up toward the “U”-shaped tube and lock it by pressing the two halves together, then draw it downward toward the nozzle, which will cause the water to flow over the siphon. The syringe is now ready for use. To unlock the clamp, press on the edges of the two halves, which are directly over the hook. To lock it, press on the opposite edges. By locking the clamp and drawing it down the tube, water or other fluid may be forced in with great pressure.

Care of the Apparatus.—Keep the clamp dry and occasionally touch the bearings of the rollers with oil applied on a feather. Do not put the apparatus in its box wet; by running the clamp down the tube every drop of water can be wrung out of the tube. Should it be desired to remove the soft rubber tube from the hard rubber “U”-shaped tube, it can easily be replaced, as the oval opening at the bend of the “U” enables one to thread the soft tube around the bend without difficulty. In replacing the apparatus in the box, wind the tube around the hand and allow the free end to turn in the air as the slack is taken up, then place the coil in the box and it will lie smoothly without kinking. Kinks in a rubber tube ruin it.

Advantages.—The apparatus is cheap, very compact and easily carried. Any amount of fluid can be used, the amount being only limited by the utensil employed as a receptacle. By sliding the clamp down the tube water or other fluid may be injected with great force. A colpeurynter may be filled in this way. A bottle, pail or pitcher may be stood upon a mantel or table or may be hung up by a piece of string, whereas a rubber bag always has to be hung up. The apparatus is practically indestructible, while a rubber bag often cracks and is spoiled. Last, but by no means least, the apparatus can be kept very clean and a fresh receptacle can be used in every case. A bottle or pitcher can be scalded out and rendered thoroughly aseptic. Surgeons will appreciate this point.



. THE FAMOUS .
ALPHA....
 AND THE
....OMEGA
 CONTINUOUS FLOW
SYRINGES.



Introduced to the profession in 1885 and always receiving the endorsement and praise of the highest medical authorities, as being the safest and easiest Syringe known for invalids to operate—never tiring the hand, perfect in cleanliness, durability and efficiency. They have now the largest sale of any Syringe in the world.

Brief Claims for the

**“Alpha” and the
 “Omega” Syringes.**

Continuous Flow, with but one bulb. No Injection of Air.
 No Fecal Matter can be drawn into the Tubes.
 Easy to Operate with Thumb and Finger. Noiseless, Soft Rubber Sinker.
 Efficiency and Durability Guaranteed.

WEBSTER'S DEFINITION.

“ALPHA. The first letter in the Greek alphabet, answering to A, and hence used to denote first or beginning. ‘I am Alpha and Omega.’—Rev. i.-8. Also used to denote chief, as, ‘Plato was the Alpha of the wits.’”—Noah Webster, LL.D.

THE ALPHA SYRINGES were so named because they were the “first” and only practical Continuous Flow Bulb Syringes, and are the acknowledged “chief” and most popular Syringes known for medical and family use.

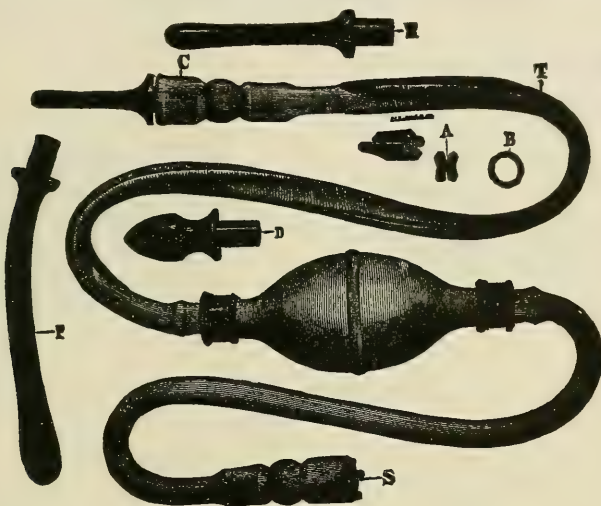
These Syringes are made with several styles of Hard Rubber pipes and fittings; the different kinds being designated *alphabetically*, as ALPHA A, ALPHA B, etc.
 For prices, see page 723.

ORDERS FILLED BY CHAS. TRUAX, GREENE & CO.



The New Continuous Flow "Alpha" Syringe.

POSITIVELY PREVENTS THE PAINFUL AND DANGEROUS INJECTION OF AIR, SO COMMON WITH ALL INTERMITTENT SYRINGES.



This illustration is engraved from a photograph on wood of the new "Alpha" Syringe (style B). The principal feature of this most ingenious improvement consists in a simple change in the formation of the rubber outlet tube, which completely changes the action from an intermittent to a steady, continuous flow. The tube (T) is made of very fine rubber, vulcanized in a corrugated or inwardly folded form (as shown in cross-section at A), so as to contract its capacity and allow expansion; and when expanded from internal pressure it is simply a flexible tube, slightly larger than those usually made (as shown in cross-section B), with an elastic tendency to contract into its dormant corrugated form, with the walls in close proximity on their inner surfaces (see A). When the bulb is slightly compressed in the usual manner, the liquid flows into and expands this tube (T) into a temporary reservoir, and the elastic tendency of the rubber to regain its dormant folded shape creates an automatic pressure, assists the action of the syringe and keeps up the flow while the bulb is expanding and refilling.

EXPLANATION OF CUT.

A, pieces of patent tube in cross-section and perspective; B, same expanded; C, patent soft rubber socket for quickly attaching the hard rubber pipes, requiring no screw-threads or washers and forming a perfectly tight joint; D, nasal plug, an excellent attachment for the treatment of Catarrh; F, vaginal pipe; R, rectal pipe; S, noiseless and non-corrosive rubber sinker, which obviates the clicking noise so objectionable with metal syringes.



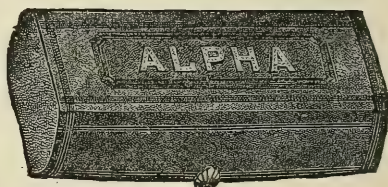
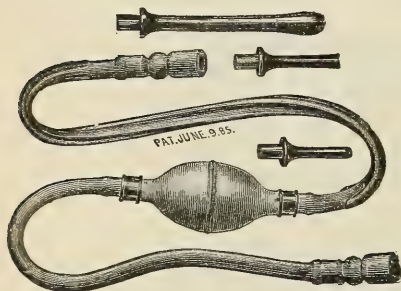
Style "A."

Orders filled by CHAS. TRUAX, GREENE & CO. For prices see page 723.



THE REASONS WHY

THE ALPHA CONTINUOUS FLOW SYRINGES ARE THE BEST.



Style "B". For prices see page 723.

1st. They are the only Bulb Syringes producing a continuous flow with one bulb, and no more parts than are used on the old style syringe.

2nd. All intermittent syringes inject more or less air, which is invariably drawn back into the tubes while the bulb is expanding and refilling. The injection of this air is often painful and dangerous. *The steady and continuous flow through the pipes of the ALPHA SYRINGE, when in use, absolutely prevents this back action; therefore no air can be injected.*

3rd. All intermittent bulb syringes act only while the liquid is being squeezed out of the bulb—a slow and tedious action requiring strength. *The ALPHA SYRINGES produce a continuous and non-intermittent stream, with less than half the exertion required to operate common syringes, and, unlike other syringes, the flow is not only continuous, but can be either gentle or strong at the easy control of the user. In fact a child can operate the "Alpha."*

4th. Many intermittent syringes become offensive and disgusting from having the fecalized fluids of the rectum forced back into the rubber tubes. If these once get into the tubes, the syringe cannot be easily cleansed. *The construction of the outlet tubes of the ALPHA SYRINGES to produce a continuous flow, absolutely prevents anything of this kind. They are therefore the neatest syringe made.*

5th. The metal sinkers attached to other syringes not only corrode, but make a clicking noise when dropped into a basin or vessel, which ladies object to.

The noiseless sinkers on the ALPHA SYRINGES obviate this fault, no metal being exposed to corrosion. Physicians recommend the Alpha Syringes as being the easiest to use, the safest, cleanest and most durable. For prices see page 723.

ORDERS FILLED BY CHAS. TRUAX, GREENE & CO.

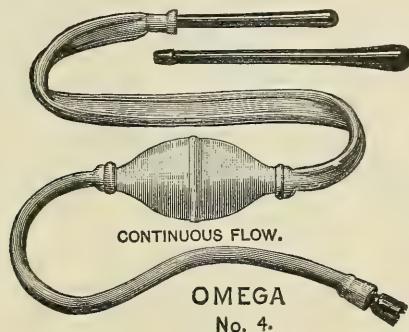


OMEGA SYRINGE No. 4.

HARD RUBBER VAGINAL AND
RECTAL PIPES.....

No Screw Threads. Valves Secured from Loss.

CONTINUOUS FLOW.



CONTINUOUS FLOW.

OMEGA
No. 4.

THIS SYRINGE was recently introduced to meet the demand for a reliable CONTINUOUS FLOW INSTRUMENT, for family use, at a price within the reach of all.

It is the lowest in price of any of our Continuous Flow Syringes, being slightly smaller than the "Omega No. 3." The packing is a neat Octagon Paper Box.

It is an excellent Syringe for ordinary use, and is manufactured carefully from standard quality of rubber,

It has no screw threads, as all the fittings are connected by Pure Rubber; and the injection Tubes can be quickly secured, or exchanged, by inserting them in the soft rubber socket; the valves are secured and cannot be lost.

For the sake of economy, no person need purchase an old style intermittent Syringe, when they can now buy an "OMEGA" Safe Continuous Flow Syringe as low in price as the cheapest Rubber Syringe made.

This last remark regarding "Rubber Syringes" does not comprise a certain class of very cheap Syringes, with which the market is flooded, made of a deceptive compound of poisonous white lead and shoddy, rendered elastic by a small admixture of poor rubber gum. Such goods are worthless, and no reputable manufacturer will produce them.

The purchaser of an "ALPHA" or an "OMEGA" Syringe obtains a first-class article made of the finest Para Rubber, and warranted reliable in every respect.

For prices see page 723.

FOR SALE BY CHAS. TRUAX, GREENE & CO.



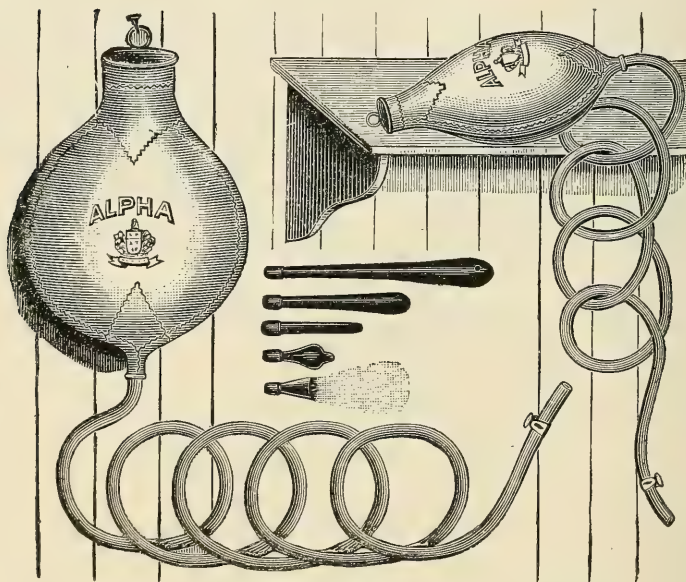
"ALPHA" FOUNTAIN SYRINGES.

A NEW AND GRAND IMPROVEMENT.

"ALPHA" FOUNTAIN SYRINGE.

With self-closing neck. A simple invention of great merit.

ALL HARD RUBBER PIPES.



Patented Jan. 4th and Jan. 25th, 1887. Other patents pending.

The mouth of this improved syringe is provided with a simple rubber device which automatically closes the opening after the bag has been filled, and prevents any spilling of the contents, no matter in what position the bag may be placed. *This is a most important convenience*, as the syringe can be easily operated, when a peg is not convenient to suspend it on, by simply laying the bag upon a mantel shelf, or other object, about four feet above the outlet.

The various uses to which this syringe is adapted render it indispensable to every family; while travelers and persons living at hotels, where they do not have the facilities of a private house, will find it a valuable improvement over any fountain syringe in the market.

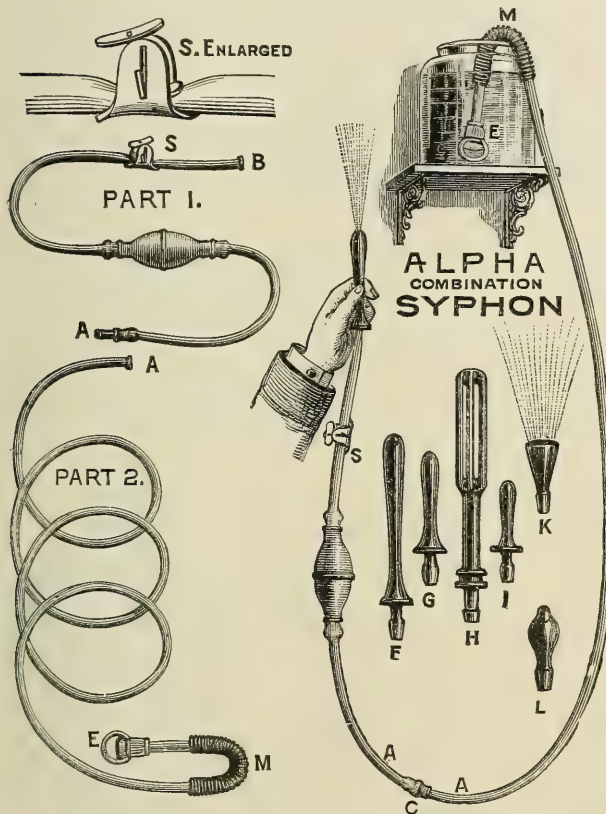
Great care is taken in the manufacture of every part, and especially in the purity of the rubber stock. The bags are re-enforced substantially, and the tubing is hand-wrapped; all of which greatly adds to the durability of the syringe.

Each syringe is packed in a substantial polished wood box. See page 723.

FOR SALE BY CHAS. TRUAX, GREENE & CO.

"ALPHA" NO. 1 SYPHON.

A New and Simple Combination of Fountain, Syphon and Bulb Syringe in one Complete Instrument, with Hard Rubber Injection Tube.



"ALPHA" NO. 2 SYPHON.

Packed in Substantial Polished Wood Box.

No. 2 CONTAINS.

Hard Rubber Vaginal Pipe.
 " Rectal "
 " Infant "
 " Nasal Douche
 for Catarrh.

THE "ALPHA" SYPHON SYRINGE

was first introduced in November, 1888, by calling the attention of physicians to it; and within six weeks afterward over five hundred of these useful Syringes had been purchased singly by leading doctors throughout the United States; who, in answer to our request for an opinion, have in every instance heard from, expressed the most unqualified praise of and satisfaction with the Syringe, and in very many cases requested prices by the dozen.

Part 1 illustrates an ordinary form of Bulb Syringe, having the usual valves at each end of the bulb. When used in this simple form, the suction end, A, acts as a sinker, and Part 1 is capable of all the uses of a pump syringe.

When required for use as a Fountain or Syphon

Packed in substantial Polished Wood Boxes.
 Contains Hard Rubber Improved Vaginal Irrigator Spray.
 No. 1. { " " Rectal Pipe.
 " " Infant Pipe.
 " " Nasal Douche for Catarrh.
 Price, per dozen \$10.50

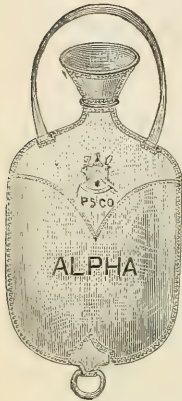
Syringe, the tube end, A, of Part 2 and the suction end, A, of part 1 are readily connected. In this form of Fountain Syringe we dispense with the customary rubber bag, and instead we use any convenient vessel for holding liquid to be injected; simply placing the vessel upon the bureau, mantel, washstand, or suspended from a peg.

The operation of the Syringe is then very simple. The suction end, E, is placed in the vessel containing the liquid to be injected, having the improved tube rest, M, adjusted, so as to allow the suction end to reach the liquid. The stop cock, S, is now opened, when a slight compression of the bulb starts the flow, which continues automatically, without pumping, and can be regulated by means of the stop cock, S.

The hydrostatic pressure is invariably sufficient for vaginal or ordinary injections, while as a nasal douche it has no equal. Should a greater force be required, as in the case of hardened faeces in the lower bowels, the bulb may be used to assist the action. Packed in handsome Wood Boxes. For prices see page 723.



THE "ALPHA" HOT WATER BOTTLE.



The Alpha hot water bottle is made of pure white rubber and possesses many advantages not found in any other. The opening in the neck is made large enough to receive a faucet, whereby the bottle can be conveniently filled without wetting the outer surface and also enabling a person to fill it with hot water from a pitcher without burning the fingers. We have recently made a great improvement in the stopper. The stoppers we now use with these bottles are made of tempered brass, nickel-plated, original with ourselves, and the strongest, lightest stopper known. The washer does not come in contact with the liquid. It is therefore more durable, entirely preventing leakage. See that our trade-mark is on each bottle.

A good india-rubber hot water bottle is indeed a most necessary article in every household and is every day becoming better known and appreciated. The various uses to which it can be applied render it indispensable to all. When filled with pleasantly hot water the Alpha bottle retains its warmth for many hours and can be used as a soft and agreeable application to the feet in bed when cold, or when the body is chilled. It is a capital companion in the carriage or buggy when riding long distances in cold weather. As a local application for the relief and cure of pneumonia, ear-ache, face-ache, neuralgia, lumbago, rheumatism and many other bodily pains, it is unrivaled.

EXCELSIOR WATER BOTTLE.

Manufactured by the Seamless Rubber Co., New Haven, Ct.

This hot water bottle is a cloth covered bottle, but made of a light cloth and flexible rubber, making it far superior to the old-style heavy and clumsy flannel covered bottle, and it is so constructed that durability and lightness are obtained in this bottle as well as in the old reliable white all-rubber bottle. The stopple is made of brass, nickel-plated, and has a large opening, so it can be filled with ease and without burring the hands or wetting the outside of the bottle. The outside of this bottle is made from closely woven cloth that will dry very quickly, while the old flannel covered bottle, when wet on the outside, could not be dried without much trouble. Owing to the improved method of making this bottle, we can sell it at a much lower price than any other flannel covered water bottle.

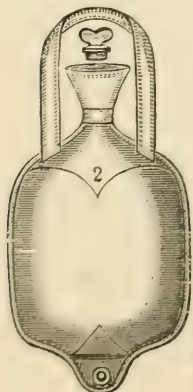


Fig. 1218.

PRICES AND SIZES.—See page 725.

1 qt., pr. to patients \$1 75 3 qt., pr. to patients \$2 25
 2 " " " 2 00 4 " " " 2 50
 5 qt., price to patients \$2 75
 Physicians are requested to specify this water bottle in ordering or prescribing.

PURE RUBBER WATER BOTTLE.

Manufactured by the Seamless Rubber Company.

This water bottle is made of the best white rubber from pure Para gum. The stopple is made of brass, nickel-plated, and has a large opening so that it can be filled with ease and without burning the hands or wetting the outside of the bottle. We can guarantee this bottle to give the best of satisfaction and for durability it has no equal. Manufactured in five sizes.

1 quart, price to patients.....	\$1 50	See page 725.
2 " " "	1 75	"
3 " " "	2 00	"
4 " " "	2 25	"
5 " " "	2 50	"

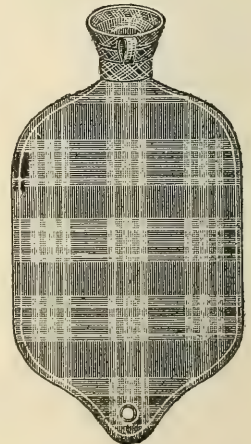
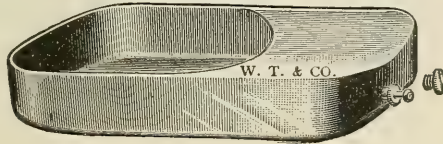


Fig. 1217.



W. T. & Co. DOUGHE PANS.

ZINC.



These Pans are made without seam at bottom and are fitted with screw plug, by which the outlet may be tightly closed if desired.

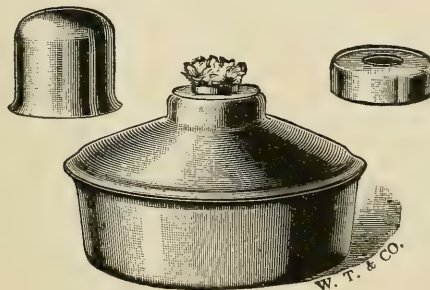
No. 1.	12x16 inches.....	each	\$2 00
No. 2.	Same as No. 1, but with 4 quart zinc reservoir added.....	each	3 50
No. 3.	Same as No. 2, but including 6 feet rubber tubing, patent shut-off and hard rubber vaginal pipe.....	each	4 00

See page 719.

W. T. & CO.

No. 15 SPIRIT LAMP.

COPPER



Capacity 4 ounces. Furnished with extra perforated cap, for reducing size of flame.

Per dozen.....	\$4 80
----------------	--------

See page 720.

ORDERS FILLED BY CHAS. TRUAX, GREENE & CO.



SURGICAL REQUIREMENTS.

ANÆSTHETIC.

	Net Prices.
BOTTLES, metal covered, 1 oz., Fig. 1215.....	\$ 0 50
“ 2 oz.....	63
“ 4 oz.....	75
“ 8 oz.....	1 00
Papier mache covered, 2 oz., Fig. 1241.....	50
“ 4 oz.....	65
“ 8 oz.....	90
INHALERS, chloroform, Esmarch's, Fig. 1234.....	1 25
“ Esmarch's, with tongue forceps, in fine leather case, Fig. 1235.....	5 00
“ Junker's, Fig. 1219.....	9 00
“ Lente's, Fig. 1233.....	4 50
Ether, Adams', see full description on page 792.....	4 00
“ Allis', folding, Fowler's modification, Fig. 1224.....	2 50
“ Allis', metal cover, aseptic, Fig. 1222.....	2 50
“ Allis', soft rubber cover, Fig. 1223.....	2 25
“ Cheatham's.....	2 75
“ Chisholm's, pocket.....	1 90
“ Clover's, Fig. 1231.....	15 00
“ Flood's.....	7 50
“ Hutchinson's.....	3 00
“ Lente's, Fig. 1232.....	1 50
“ Mitchell's.....	1 50
“ Morton's.....	3 75
“ Nichols'.....	3 75
“ Perfection, Fig. 1230.....	2 50
“ Philadelphia, Fig. 1243.....	60
“ Roberts', Fig. 1244.....	1 00
“ Schimmelbush's, folding, Fig. 1229.....	1 25
“ Schimmelbush's, folding, aluminum, Fig. 1229.....	2 25
“ Spiers'.....	2 65
“ Young's combined.....	7 00



SURGICAL REQUIREMENTS—ANTISEPTIC.

BOXES, Glass, with cover for pins, needles, etc., diameter 2 in., Fig. 1489....	\$0 40
“ “ “ “ “ 3 in., “	50
“ “ “ “ “ 4 in., “	80
BRUSHES, Nail, according to quality	15 to 75
INSTRUMENT RACKS, Folding, Truax, Greene & Co.'s, small.....	1 75
Folding, Truax, Greene & Co.'s, medium, Fig. 1240.....	2 00
“ “ “ large	2 50
IODOFORM BOXES, Hard Rubber, small, Fig. 1501.....	50
“ medium, Fig. 1501.....	75
“ large, Fig. 1501.....	1 00
“ Berlin, revolving top, Fig. 1500.....	1 25
F. C. Greene's, Fig. 1499.....	65
IODOFORM GAUZE BOX, all glass, Fig. 1515.....	4 00
JARS, Philadelphia for Ligatures, anatomical specimens, etc., Fig. 1464.	
3 x 7 inches, 1 pint, \$0 50	6x12 inches..... 1 50
3 x10 “ 1 quart, 55	6x18 “ 1 85
3 x18 “ 3½ pts., 75	9x12 “ 3 00
4½x 6 “ 1 quart, 75	9x18 “ 3 50
4½x 8½ “ 3 pts., 85	9x23 “ 4 00
4½x11½ “ ½ gal., 1 00	9x36 “ 7 00
6 x 8 “ 1 gal., 1 30	
LIGATURE BOTTLES, 4 x4 inches, Fig. 1488.....	75
4¾x4¾ “ “ 1 35	
6 x6 “ “ 1 80	
7 x7 “ “ 2 60	
8 x8 “ “ 3 40	
with large reel for ligatures, Fig. 1496.....	75
with two reels, upright, Fig. 1482.....	75
Vienna Model, hospital size, 6 reels, Fig. 1497.....	5 00
Sylvester's, all hard rubber, Fig. 1498.....	1 75
LIGATURE BOXES, for silk or catgut.	
These boxes provide the best known method for preserving silk and catgut in an antiseptic solution. They are manufactured from heavy plate glass and are especially adapted for the use of operating rooms and hospitals.	
Fig. 1513 with 3 glass spools, small size, plain pattern	2 25
Fig. 1514 with 2 large glass spools, knob on cover, inside cover with ligature stops.....	3 75
Fig. 1510 with 4 medium glass spools, knob on cover, inside cover with ligature stops, Hagedorn's pattern.....	4 50
Fig. 1511 with 4 large glass spools, knob on outside and inside cover. The latter with ligature stops.....	6 00
Fig. 1512 with 6 large glass spools, knob on outside and inside cover, The latter with ligature stops.....	9 50
LIGATURE REELS, in tubes, with hard rubber fittings, 2 spools, Fig. 1451....	50
In tubes, with hard rubber fittings, 3 spools, Fig. 1462.....	75



SURGICAL REQUIREMENTS—ANTISEPTIC.

LIGATURE REELS, in tubes with hard rubber fittings, 4 spools, Fig. 1463 . . .	\$ 1 00
PUS BASINS, glass, 5½ inch, Fig. 1487	60
Glass, 8 inch	75
“ 10½ inch	90
“ 13 inch	1 25
Granite or enamel ware, 9½ inch, Fig. 1487	1 00
“ “ “ 10½ “	1 15
“ “ “ 11½ “	1 30
“ “ “ Smith’s, Fig. 1533	1 50
Hard rubber, oval, 6 inch, Fig. 1487	75
“ “ medium, 8 inch	1 00
“ “ large, 9½ inch	1 25
“ “ “ 10½ “	1 50
“ triangular, small	1 00
“ “ medium	1 25
“ “ large	1 50
Nickel plated, 9 inch, Fig. 1487	1 00
Papier Mache, 6 inch, Fig. 1487	35
“ “ 8½ “	50
“ “ 10 “	60
“ “ 12 “	75
RAZORS, plain, folding, Fig. 1655	1 00
Aseptic, Robb’s, Fig. 1652	1 75
“ “ in mahogany case, Fig. 1652	2 25
SANITARY COVERS, soft rubber, 5 inch, Fig. 1672	30
Soft rubber, 6 inch	35
“ 7 “	40
“ 8 “ Fig. 1672	50
“ 10 “	60
“ 12 “	75
“ 14 “	1 25
SOAPS, antiseptic, see page 767.	
SPONGE JARS, with perforated glass plate bottoms, large size, Fig. 1495	9 00
SPOOLS, glass, for Ligatures, small	05
Glass, for Ligatures, medium	10
“ “ “ large, Fig. 1461	15
SPRAYS, Antiseptic, Truax, Greene & Co.’s No. 1, Fig. 1561	3 50
Antiseptic, Truax, Greene & Co.’s No. 2, Fig. 1560	2 00
“ Waxham’s, small	12 00
“ “ large, Fig. 1558	35 00
“ Weir’s, small, Fig. 1559	10 00
“ “ large	18 75
SULPHUR CANDLE. See page 765.	
TABLETS, Antiseptic. See index.	
TRAYS, Agate, width 9, length 13, depth 2¼ inches, Fig. 1527	88
“ “ 11, “ 16, “ 2½ “	1 25
“ “ 13½, “ 20, “ 2¾ “	1 88



SURGICAL REQUIREMENTS.—ANTISEPTIC.

TRAYS, Agate, Truax, Greene & Co's model, Fig. 1531.....	\$2 50
Glass, width 4¼ inches, length 6¾ inches, Fig. 1523.....	75
“ “ 6½ “ “ 10½ “	1 80
“ “ 8½ “ “ 13¾ “	3 00
“ “ 10½ “ “ 18 “	8 00
“ with metal rack, length 6½, width 3½ inches, Fig. 1528.....	3 25
“ “ “ “ 11 “ 5 “	5 00
Hard rubber, width 7 inches, length 9 inches, Fig. 1529.....	85
“ “ 10½ “ “ 12½ “	1 75
“ “ 12 “ “ 16 “	2 40
“ “ 15 “ “ 19 “	4 25
“ “ 19 “ “ 23 “	5 75
“ “ 21 “ “ 26 “	7 50
Papier Mache, width 4¾ inches, length 6¾ inches, Fig. 1529.....	40
“ “ 6 “ “ 8¼ “	70
“ “ 8¼ “ “ 10¼ “	1 20
“ “ 10¼ “ “ 12¼ “	1 40
“ “ 12¼ “ “ 14½ “	2 00
“ “ 11½ “ “ 18 “	2 75
“ “ 17 “ “ 21 “	3 50
“ “ 1¾ “ “ 10 in., long pattern, Fig. 1526..	40
“ “ 3¼ “ “ 13½ in. “ “ Fig. 1525..	90
Porcelain, width 6 inches, length 8¼ inches, Fig. 1521.....	85
“ “ 8¼ “ “ 10¼ “	1 70
“ “ 10¼ “ “ 12½ “	2 65
“ “ 12½ “ “ 15 “	3 40
“ “ 14¼ “ “ 17 “	4 90
“ “ 4¾ “ “ 15 “ Fig. 1522.....	2 65
“ with racks, width 6¼ inches, length 8 inches. Fig. 1524.....	2 00
“ “ “ 8 “ “ 14½ “	3 00
“ with compartments for Catheters, Bougies, etc , width 7 in., length 17 inches.....	8 00
Soft rubber, width 8 inches, length 10 inches, Fig. 1532.....	2 00
“ “ 9 “ “ 12 “	2 25
“ “ 10 “ “ 16 “	3 35

IRRIGATING.

CUSHIONS, Kelly's, surgical, Fig. 1637.....	3 00
This is the smaller of the two patterns shown by Figures 1637 and 1638. It is designed for all gynecological and rectal work excepting ovariectomy. Width of inflated rim, 14 in.; length, 34 in.	
CUSHIONS, Kelly's, surgical, Fig. 1638, small.....	4 00
Kelly's, surgical, Fig. 1638 large.....	5 00
These are designed for ovariectomy and obstetrical work. The smaller is 20 inches in diameter and 44 inches in length. The larger is 24 inches in diameter and 50 inches in length.	
CUSHIONS, Boston, surgical, diameter 20 in., length, 45 in. Fig. 1639.....	5 50
Boston, surgical, diameter 24 in.; length, 50 in. Fig. 1639	7 00
CUT-OFF, Esmarch's, two tips, Fig. 1544.....	1 00



SURGICAL REQUIREMENTS.—IRRIGATING.

IRRIGATING SYRINGE AND CUT-OFF, Truax, Greene & Co.'s Aseptic

Syringe, see page 815.....each \$1.00 doz. \$11 00

IRRIGATORS, Glass, bottle form, complete, $\frac{1}{2}$ gal., Fig 1543

Glass, bottle form, complete, 1 gal..... 2 75

“ “ “ 2 “ 3 25

“ “ “ 3 “ 4 00

“ “ “ 5 “ 5 00

“ Hospital, not graduated, 1 qt., Fig. 1545..... 7 00

“ “ “ 2 “ 75

“ “ “ 3 “ 1 00

“ “ graduated, 1 “ Fig. 1545..... 1 35

“ “ “ 2 “ 1 00

“ “ “ 3 “ 1 25

“ with handle, 1 qt., Fig. 1542..... 1 50

“ “ 2 “ 85

“ “ 3 “ 1 10

“ “ graduated, 1 qt., Fig. 1542..... 1 45

“ “ “ 2 “ 1 10

“ “ “ 3 “ 1 35

“ Porcelain, barrel form, 1 gal., Fig. 1540..... 1 60

“ “ 2 “ 2 50

“ “ 4 “ 3 75

“ Soft rubber, $\frac{1}{2}$ gal..... 7 50

“ 1 “ Fig. 1541..... 2 50

“ 2 “ 3 00

SYRINGE, wound, hard rubber, 2 oz., Fig. 1546

Wound, metal, fine quality 2 00

.....\$3 00 to 4 50

SUTURING.

BUTTONS, Suture, Gatchell's, Fig. 1416.....doz 40

“ Powell's, Fig. 1432.....doz 1 25

FORCEPS, Needle Holding.

Abbe's, Fig. 1278..... 2 00

Byford's, aseptic, Fig. 1254..... 4 50

Dawbarn's..... 5 25

Dawson's..... 2 65

Diffenbach's..... 2 25

Emmet's, aseptic, Fig. 1250..... 2 25

J. H. Ethridge's Automatic, with Truax' pat. jaw, aseptic, Fig. 1252. 3 00

Fowler's improved, Fig. 1264..... 2 75

Fritsch's, Fig. 1256..... 3 00

Gibbon's..... 4 50

Goodell's..... 5 00

Goz's, Fig. 1276..... 4 00

Hagedorn's, small, aseptic, Fig. 1262..... 4 50

“ large, aseptic, Fig. 1261 5 00

Hank's..... 3 00

Küster's..... 2 65



SURGICAL REQUIREMENTS—SUTURING.

FORCEPS, Needle Holding.

Lentz', improved, aseptic, Fig. 1263.....	\$ 4 00
Mathis'	3 75
Parker's, Fig. 1272	1 25
Parrot's	4 00
Pratt-Hagedorn's, aseptic, for Hagedorn's Needles, Fig. 1271.....	3 00
" Reiner's, aseptic, Fig. 1273	2 50
Prout's, Fig. 1267.....	2 50
Reiner's, aseptic, Fig. 1273.....	2 50
Russian, improved, aseptic, Fig. 1255.....	2 50
" " by Truax, aseptic, Fig. 1251.....	2 50
Sand's, Fig. 1266.....	3 00
Sims', plain, aseptic.....	1 75
" with catch, Fig. 1274.....	2 00
Skene's, Fig. 1275.....	4 00
" improved with pistol shape handle, Fig. 1257.....	5 00
Stimson's.....	2 75
Thiertsch's, with spindles.....	6 00
Truax's, finger, Fig. 1248.....	2 00
" " with catch, aseptic.....	2 50
" mod. Emmet's, aseptic, Fig. 1250.....	2 50
" " Russian, improved, aseptic, Fig. 1251.....	2 50
" plain, aseptic, Fig. 1249.....	2 50
" perfected pocket case, aseptic, Fig. 1265.....	2 50
Thomas'.....	3 00
Vandewarker's.....	5 25
Von Ramdohr's.....	7 00
Whitney's, Fig. 1277.....	3 25
Wyeth's.....	3 25

NEEDLES, Surgeons', assorted—straight, half curved and full curved, full gross lots.....gross

Surgeons', straight, Fig. 1292.....	doz 50
" half curved, Fig. 1293.....	doz 50
" full curved, Fig. 1290.....	doz 50
" double curved, Fig. 1291.....	doz 75
" hare-lip, Fig. 1303.....	doz 1 00
" Glover's style, triangular.....	doz 25
" Hagedorn's, Fig. 1304.....	doz 75
" Hagedorn's "spring eye".....	doz 1 25
" Hagedorn's, assorted on cards, 2 dozen on a card, Fig. 1304.....	per card 1 50
For Hagedorn's needles in cases see Fig. 1311.	
" mouth, Fig. 1285.....	doz 1 00
" Schnetter's, Fig. 1296.....	doz 1 00
" self-threading, "spring eye," Fig. 1287.....	doz 1 00
Abdominal, Keith's.....	doz 75
Canulated, Collins', in case, Fig. 1384.....	set 13 00
" Pease's, Fig. 1393.....	set 8 00



SURGICAL REQUIREMENTS—SUTURING.

NEEDLES, Canulated.

Canulated, Reverdin's, in folding handle, Fig. 1362	\$3 25
“ Reverdin's, modified by E. H. Pratt, Fig. 1406.....	2 75
“ Reverdin's, solid handle, Fig. 1363.....	2 50
“ Stone's, Fig. 1314.....	1 00
“ Von Brun's, set of two in case, Fig. 1381.....	3 00
“ Von Brun's, set of three in case.....	3 75
Fistula, curved, Fig. 1284	doz 1 00
“ Mooij's, aseptic, three sizes, Fig. 1316.....	each 1 00
“ Sims', Fig. 1295.....	doz 75
Laparotomy, Hall's, plain, aseptic, Fig. 1324.....	1 00
“ Hall's, open eye, Hagedorn point, aseptic, Fig. 1329....	1 25
“ Crofford's, aseptic, Fig. 1323.....	1 25
Pedicle, Nelson's, double curved. aseptic, Fig. 1334.....	1 25
“ full curved, aseptic, Fig. 1330.....	1 25
Perineum, Ashton's, aseptic, Fig. 1345.....	1 00
“ Binkley's, removable point, aseptic, Fig. 1343.....	2 50
“ “ split eye, aseptic, Fig. 1344.....	1 75
“ Goodell's, Fig. 1288.....	doz 1 25
“ Greene's, aseptic, Fig. 1382.....	1 25
“ Graves'	75
“ G. A. Hall's, aseptic, Fig. 1335.....	75
“ Helical, aseptic, Fig. 1354.....	1 25
“ Mooij's, aseptic, Fig. 1317.....	60
“ Munde's, aseptic.....	1 25
“ Papine's, aseptic, Fig. 1370.....	60
“ Parker's.....	3 75
“ Pean's, aseptic, 3 sizes, Fig. 1333.....	1 25
“ Peaslee's, aseptic, Hagedorn's Point; Fig. 1364.....	1 35
“ “ set of three, aseptic, Fig. 1355.....	2 25
“ Plain, aseptic, Fig. 1357.....	1 00
“ E. H. Pratt's, aseptic, Fig. 1297.....	doz 1 00
“ Sims', Fig. 1289.....	doz 1 00
“ Skene's, Fig. 1356.....	1 00
“ Straight, aseptic.....	1 00
“ Thomas', Fig. 1286.....	doz 75
“ Whitehead's, helical, aseptic, Fig. 1354.....	1 25
“ Wilson's, aseptic, Fig. 1394.....	1 00
“ “ right or left, aseptic, Fig. 1333.....	1 25
Uterine, Emmet's, lance point, Fig. 1302.....	doz 75
“ “ trocar pointed, Fig. 1300.....	doz 75
“ “ round, Fig. 1301.....	doz 75
“ Greene's, aseptic, Fig. 1382.....	1 25
“ Jackson's, aseptic, set of two, (see Gynecological).....	2 25
“ Henry Palmer's, Fig. 1291.....	doz 1 50
“ E. H. Pratt's, 3 sizes, Fig. 1297.....	doz 1 25
“ J. S. Pyles', aseptic, Fig. 1336.....	1 25



SURGICAL REQUIREMENTS—SUTURING.

NEEDLES.

Uterine, Sims', cervical, Fig. 1294.....	doz	\$0 75
“ “ fistula, Fig. 1295.....	doz	75
“ Skene's, Fig. 1298.....	doz	1 00
General operating, Truax's set, in neat case, Fig. 1396.....	set	4 00
Needle case containing 2 dozen Hagedorn's needles and Truax' finger needle holder, see page 798 and Fig. 1311.....		3 50
same case with 2 dozen plain assorted needles, Figs. 1290, 1292 and 1293 instead of the Hagedorns.....		3 00

NEEDLE BOTTLES, Berlin model, 3 sizes, curved or straight, Fig. 1319.....		35
Crescent, 2 sizes, Fig. 1312.....		25

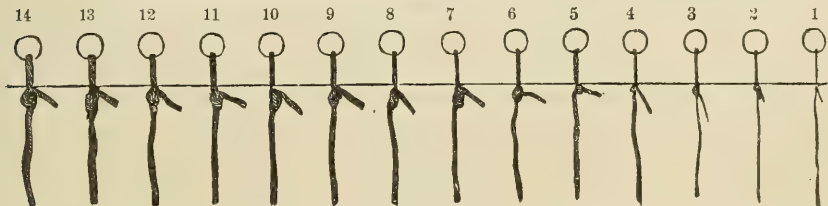
PINS, Acupressure, with glass heads.....	doz	10
Buck's, 1 to 2 inch.....	doz	05
“ 2½ inch.....	doz	10
“ 3 inch.....	doz	15
“ silver, assorted sizes.....	doz	1 00

LIGATURES, Catgut, dry, in coils, assorted sizes.....	doz	1 00
“ carbolized, 1 size in bottle of 10 feet, Fig. 1468.....		20
“ carbolized, chromotized or sublimated, 3 assorted sizes, in patent bottle of 30 feet, Fig. 1483.....		50
“ carbolized, chromotized or sublimated, 3 assorted sizes, in patent bottle of 90 feet, Fig. 1483.....		1 50
“ juniper oil. Prices same as carbolized.		
“ Fowler's aseptic in tubes, page 780.....	tube.	25

Kangaroo tendon, in tubes, Fowler's, page 780.....	tube.	25
Rubber, elastic.....	per foot.	05
“ “ assorted sizes, 12 feet in box.....	box	50

LIGATURES, Silk, Method of sterilizing and rendering Aseptic.

(Applicable to all thread ligatures.)
Boil in water, after which boil in 5 per cent. carbolized white wax for half an hour. Before using wipe off with sterilized cloth.



This illustration shows the approximate size of various numbers of silk we carry in stock.
In ordering, please give number wanted.

Silk, braided, white, 1 size on reel, Fig. 1469.....	each	20 doz.,	2 00
“ “ 4 “ on tablet, Fig. 1448.....	each		45
“ “ Turner's, 1 size on tablet.....	each		30
“ “ “ 4 sizes on tablet.....	each		50
“ iron dyed, 1 size on reel, Fig. 1471.....	each		25
“ “ 4 sizes on tablet, Fig. 1448.....	each		50
“ cable twist, (Lawson Tait's) Nos. 4, 8, 11, and 13, Fig. 1473.....	skein		30



SURGICAL REQUIREMENTS—SUTURING.

Silk, braided, white or iron dyed, 100 yards on spool, prices as follows :

No. 1, per spool,....\$1 15	No. 8, per spool....\$3 35	No. 15, per spool....\$6 00
" 2, " 1 30	" 9, " 3 75	" 16, " 6 30
" 3, " 1 50	" 10, " 3 95	" 17, " 6 75
" 4, " 1 85	" 11, " 4 15	" 18, " 7 20
" 5, " 2 25	" 12, " 4 50	" 19, " 7 85
" 6, " 2 60	" 13, " 4 90	" 20, " 8 35
" 7, " 3 00	" 14, " 5 45	

LIGATURE, silk, twisted, white, 1 size on reel, Fig. 1469...each \$0 10 per doz 90

Silk, twisted, white, in skeins.....each 05 per doz 40

" " 4 sizes on tablet, Fig. 1449...each 25

" iron dyed, 1 size on reel, Fig. 1471...each 10 per doz 1 00

" " 4 sizes on tablet, Fig. 1449, each 30

" Cable twist, Nos. 4, 6, 8, 10, 12 and 14, in skeins, $\frac{1}{2}$ oz. each, Fig. 1473.....skein 20

" Cable twist, on spools, Fig. 1475.....oz 1 90

" Genuine long fibre, on spools of 1 oz. each, Fig. 1475...oz 1 90

Sizes and No. of Yards (about) to oz. of Twisted Silk.

SIZE. SEE PAGE 761.	YARDS TO THE OZ.		SIZE. SEE PAGE 761.	YARDS TO THE OZ.	
	WHITE.	IRON DYED.		WHITE.	IRON DYED.
1.....	2,265	1,699	11.....	299	224
2.....	1,865	1,399	12.....	232	174
3.....	1,532	1,149	13.....	170	....
4.....	1,198	899	14.....	136	....
5.....	932	699	15.....	115	....
6.....	765	574	16.....	95	....
7.....	565	424	17.....	80	....
8.....	465	379	18.....	65	....
9.....	444	334	19.....	50	....
10.....	365	274	20.....	40	....

Silk, dental floss, 12-yard spools, Fig. 1480.....doz 85

" " 24 "doz 1 60

" " waxed, 12-yard spools.....doz 1 00

" " 24 "doz 1 90

Silk, aseptic, braided, white, 1 size in bottle, Fig. 1468..... 20

" " " 3 sizes in bottle, Fig. 1483..... 50

" " " 3 " " hospital size..... 1 50

" " iron dyed, in bottle, Fig. 1483..... 50

" " " " hospital size..... 1 50

" " in tubes, Fowler's, see page 780.....tube 25

" twisted, white, 1 size in bottle, Fig. 1468..... 20

" " iron dyed, 1 size in bottle, Fig. 1468..... 20

" " white, 3 sizes in bottle, Fig. 1482..... 50

" " " " hospital size..... 1 50

" " iron dyed, 3 sizes in bottle, Fig. 1483..... 50

" " " " hospital size..... 1 50

" " " in tubes, Fowler's, see page 780.....tube 25

Silk-worm gut, 100 ligatures in a bunch, Fig. 1442.....per bunch 75

" " aseptic, in tubes, Fowler's, see page 780.....tube 25



SURGICAL REQUIREMENTS—SUTURING.

SILK-WORM GUT IS NON-ABSORBENT.

METHOD OF PREPARING SILK-WORM GUT.

Boil in water for twenty-five minutes, after which immerse for fully two hours in a 5 per cent. solution of carbolic acid, and immediately before using pass through sterilized water. (The sterilized water is simply water that has been boiled three times.)

The stitches are usually taken out in seven days, but it is recommended to remove any stitches turning to a red color, or giving pain to the patient.

LIGATURES.

Silver wire, fine, Nos. 28, 29 and 30, in coils of 2 pennyweights,	
Fig. 1443.....	each \$ 30
“ medium, Nos. 25, 26 and 27, in coils of 2 pennyweights	
each, Fig. 1443.....	30
Silver wire, heavy, Nos. 22, 23 and 24, in coils of 2 pennyweights each,	
Fig. 1443.....	30
Silver wire, extra heavy, Nos. 18, 19, 20 and 21, cut in lengths to order,	
per dwt.....	15
“ on spools, any size, 1 oz. on spool.....	spool 2 25
Silver wire, on spools of 1 yard each, 6 spools in box, assorted sizes,	
Fig. 1476.....	box 1 20
“ all sizes, in ounce coils.....	per oz 2 25
LIGATURES, Whale tendon	coil 25
Wire, copper, silver plated, on spools.....	spool 40
“ iron	coil 10
“ lead.....	yard 20
LIGATURE REELS, glass, for silk or catgut, 3 sizes, Fig. 1461.....	.05 to 15
SCISSORS, LIGATURE, Guserow's, aseptic, Fig. 1438.....	2 50
Smith's, aseptic, Fig. 1431.....	2 25
Wilson's, aseptic, Fig. 1419.....	3 00
SHOT, PERFORATED, 100 in box, Fig. 1417.....	box 50
Perforators, Greene's, Fig. 1599.....	3 50
WIRE CUTTERS, Tucker's, Fig. 1418.....	3 50
WIRE TWISTERS, Classen's, aseptic, Fig. 1437.....	3 00
Plain, aseptic, Fig. 1433.....	1 00
WIRE TWISTING FORCEPS, Emmet's, aseptic, Fig. 1407.....	2 25
Fitch's, Fig. 1408.....	3 00
Nott's, aseptic, Fig. 1409.....	2 25
Sims'.....	2 50
Thomas'.....	2 50

DRAINAGE.

DRAINAGE TUBES,

Bone, decalcified, 2 inch, in bottle, Fig. 1591.....	each 30
“ “ 2½ “ “	each 35
“ “ 3 “ “	each 40
Glass, Chamberlain's, Fig. 1578.....	85
“ E. C. Dudley's, Fig. 1569.....	35
“ C. W. Earl's, Fig. 1601.....	1 00
“ German, with large openings, Fig. 1590.....	35
“ Gross', see Fig. 1586 for sizes and prices.	
“ Keith's, Fig. 1596.....	50
“ J. M. Hoag's Mod. Chamberlain's, holes in side.....	1 00
“ “ “ “ “ end.....	1 00



SURGICAL REQUIREMENTS—DRAINAGE.

DRAINAGE TUBES.

Glass, J. M. Hoag's Mod. Chaimberlain's bulbous.....	\$0 60
“ “ “ “ “ slotted.....	75
“ D. A. K. Steele's, in sets, No. 1.....	3 00
“ “ “ “ No. 2.....	4 00
“ Tait's, Fig. 1597.....	50
“ Thomas', curved, Fig. 1585.....	25
“ “ “ “ perforated sides.....	40
“ “ “ “ straight “ “.....	40
Hard rubber, spiral, Schapp's, small, 3 lengths, Fig. 1598.....	50
“ “ “ “ medium, 3 lengths.....	60
“ “ “ “ large, 3 lengths.....	75
“ Sims', Fig. 1615.....	1 10
“ Thomas', double, Fig. 1613.....	1 75
“ “ “ “ complete with tubing and stop-cock...	2 50
Metal, Byford's, Fig. 1607.....	1 75
“ Callender's, self-grasping, Fig. 1601.....	2 00
“ Silver.....	inch 15
Soft rubber, E. Andrew's, suction, Fig. 1575.....	75
“ Hancock's, two sizes.....	each 50
“ Perforated, small, Fig. 1572.....	yard 25
“ “ “ “ medium.....	yard 30
“ “ “ “ large.....	yard 35
“ “ “ “ carbolized, 6 in bottle, Fig. 1574.....	bottle 35
“ Plain, see Pure Gum Tubing, page 734.	
Wire, spiral, 4 inch.....	doz 1 50
“ 6 “.....	doz 2 00
“ 8 “.....	doz 2 50

DRAINAGE TUBE FORCEPS, for introduction of tube.

Lister's.....	2 00
Truax's, Fig. 1605.....	2 00

DRAINAGE TUBE CARRIERS, Hamilton's, Fig. 1571..... 3 75

Brun's, Flexible, Fig. 1570.....	1 75
----------------------------------	------

DRAINAGE TUBE PUNCH, Huel's, for cutting drainage tube openings, Fig. 1609 1 15

PIN, Hancock's, to prevent tubing from slipping into the wound, Fig. 1603....	25
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NURSES' AND ASSISTANTS' APPLIANCES.

APRONS, dissecting, plain, Fig. 1631..... 2 50

Nurses, figured, Fig. 1630.....	1 50
---------------------------------	------

Operating, “The Baxter” 39-inch, Fig. 1625.....	4 00
---	------

“ “ “ “ 45 “ “.....	4 25
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“ “ “ “ “The Trippe” 58 “ “ “ 1627.....	6 50
---	------

CAPS, plain, pure gum rubber, aseptic, Fig. 1629..... 1 25

Figured, rubber.....	1 00
----------------------	------

CHATELAINE, all metal, plain, Fig. 1631..... 5 00

These contain artery forceps with ring handle, plain dressing forceps, scissors, thermometer, catheter, and a pair of probes, all of best quality.



NURSES' AND ASSISTANTS' APPLIANCES.

CHATELAINE, fine leather case with flap containing scissors, artery forceps with ring handle, plain dressing forceps, thermometer, catheter and a pair of probes, all of best quality, Fig. 1650.....	\$6 00
GOWNS, assistants', made from good quality linen Fig. 1649.....	2 00
In ordering give chest and sleeve measurement.	

PINS, Cousins', Fig. 1671.....	doz 35
SLEEVES, fine rubber, Fig. 1630.....	pair 75

DRESSINGS, PLASTERS, ETC.

CANDLES, sulphur.....	doz 1 75
COTTON, best quality, absorbent.	
1 lb. package.....	lb 40
$\frac{1}{2}$ lb. ".....	each 23
$\frac{1}{4}$ lb. ".....	each 13
1 oz. ".....	each 07
Hospital quality, 5 lb. lots.....	lb 35
" " 25 lb. ".....	lb 32
" " 50 lb. ".....	lb 30
" " 100 lb. ".....	lb 28
Borated, 1 lb. package.....	lb 45
" $\frac{1}{2}$ lb. ".....	each 30
" $\frac{1}{4}$ lb. ".....	each 20
" 1 oz. ".....	each 10
Carbolated, 1 lb. package.....	lb 50
" $\frac{1}{2}$ lb. ".....	each 30
" $\frac{1}{4}$ lb. ".....	each 20
" 1 oz. ".....	each 10
Cor. Sublimate, 1 lb. package.....	lb 45
" $\frac{1}{2}$ lb. ".....	each 30
" $\frac{1}{4}$ lb. ".....	each 20
" 1 oz. ".....	each 10
Dermatoi, in oz. bottles.....	each 20
Iodized, 1 oz. bottles.....	each 20
Iodoform, $\frac{1}{4}$ lb. bottles.....	each 50
" 1 oz. ".....	each 20
Salicylated, 1 lb. packages.....	lb 65
" $\frac{1}{2}$ lb. ".....	each 40
" $\frac{1}{4}$ lb. ".....	each 25
" 1 oz. ".....	each 10
Sterilized, 1 lb. cartons.....	lb 65
" $\frac{1}{4}$ lb. ".....	each 20
Styptic, 1 oz. bottles.....	each 15
Cotton wool, 1 lb. package.....	lb 35
GAUZES, antiseptic,	
Sterilized, best quality, 1 yard wide, 5 yards long, in can or jar...each	50
Sterilized, best quality, 1 yard wide, 5 yards long, in carton.....each	40
Sterilized, best quality, 1 yard wide, 25 yards long, folded like Fig. 2, page 778.....	1 25
Sterilized, best quality, 1 yard wide, 100 yards long, folded like Fig. 2, page 778.....	yd. 04 $\frac{1}{4}$



DRESSINGS, PLASTERS, ETC.

GAUZES, antiseptic, sterilized, second quality, 1 yard wide, 100 yards long, folded like Fig. 2, page 778.....				yard	\$0 04
Borated, 1 yard wide, 5 yards long in can or jar.....				each	55
" " " 25 " " in carton.....				each	1 60
Carbolated, 1 yard wide, 5 yards long in can or jar.....				each	55
" " " 25 " " in carton.....				each	1 60
Cyanide of mercury and zinc, 1 yard wide, 5 yards long, in jar.....				each	75
Eucalyptol, 1 yard wide, 5 yards long, in jar.....				each	75
Iodoform, 5 per cent, 1 yard wide, 5 yards long, in can or jar.....				each	90
" 5 " 1 " 25 " " carton.....				each	4 00
" 10 " 1 " 5 " " can or jar.....				each	1 00
" 10 " 1 " 25 " " carton.....				each	4 75
Naphthaline, 1 yard wide, 5 yards long.....				each	75
Sublimated, 1 " 5 " in can or jar.....				each	55
" 1 " 25 " in carton.....					1 60
Thymol, 1 yard wide, 5 yards long, in jar.....					75
Bandages, see page 779.....					
Plain, unbleached, best quality, 1 yard wide in 100 yard pieces....				yard	03½
" second quality, 1 yard wide in 100 yard pieces.....				yard	03½
GUTTA PERCHA TISSUE, heavy.....				yard, 50c. lb.	2 00
JUTE, plain.....				lb	25
Tarred.....				lb	40
Bleached, absorbent.....				lb	35
LINT, Absorbent, 1 oz. cartons.....				lb	75
" 1 lb. cartons.....				lb	60
" Taylor's.....				oz., 20c., lb	1 50
MACINTOSH, black rubber cloth.....				yard	1 25
Pink, best quality.....				yard	1 50
OAKUM.....				lb	18
50 lb. bales.....				lb	12
OIL SILK, plain, 28 inches, in box.....				yard	80
" 28 " " 5 yard rolls.....				box	3 60
protective (green) Lister's, 28 inch.....				yard	1 50
OIL MUSLIN, 36 inch.....				yard	60
OIL PAPER, Mead's, 24 inch, 2 yard rolls.....				roll	75
PEAT.....				lb	15
PLASTERS, adhesive, plain, U. S. P. (by heat) 1 yard rolls.....				yard	25
" " " 5 " ".....				roll	1 00
" on moleskin, best English, 1 yard rolls.....				yard	75
" on swansdown, English, 1 yard rolls.....				yard	65
Rubber, adhesive, on strong cotton cloth, ½ in. wide, 10 yd. spools, spool					25
" " " 1 " " 10 " " spool					30
" " " 1½ " " 10 " " spool					40
" " " 2 " " 10 " " spool					50
" " " 2½ " " 10 " " spool					55
" " " 3 " " 10 " " spool					65
" " " 7 " " 1 yd. rolls....				roll	25
" " " 7 " " 5 " "....				roll	1 00



DRESSINGS, PLASTERS, ETC.

PLASTERS, Rubber adhesive, on strong cotton cloth, 12 in. wide, 5 yard roll	\$1 25
Rubber, adhesive, on moleskin, Am., 7-in. wide, 1 yard roll	roll 50
" " " " 7 " 5 " "	roll 2 50
" " " " twilled linen, American, 7-inch wide,	
1 yard roll	50
rubber adhesive, on twilled linen, American, 7-inch wide, 5 yard	
roll	2 50
Court, 3 pieces, assorted colors in tablet 2x3 inch	doz 25
Isinglass, gold beater's skin, 6-inch wide, 1 yard roll	roll 30
" moleskin, 7-inch wide, 1 yard roll	roll 50
" muslin, $\frac{1}{2}$ " 10 yards long	spool 20
" " 1 " 10 " "	spool 25
" " 8 " 1 " "	roll 25
" " 11 " 5 " "	roll 1 50
" silk, white, flesh or black, 7-inch wide, 1 yard roll	roll 40
" tracing cloth, white, flesh or black, 7-inch, 1 yard roll	roll 30
POULTICES, Linseed, 7-inch wide, 1 yard roll	roll 30
Slippery Elm, 7-inch wide, 1 yard roll	roll 30
PROTECTIVE, Green silk, fine quality,	yard 1 50
SOAP, Antiseptic, boric acid	doz 2 00
" hydronaphthol	doz 2 00
" salicylic acid	doz 2 00
" tar	doz 1 75

SPONGES.

Surgeon's, small	doz 50
" medium, Fig. 1643	doz 1 00
" large	doz 1 50
" extra large	doz 2 00
" choice	doz 3 00
" very choice	doz 6 00
" Antiseptic, in bottles of 1 doz. each, small	doz 75
" " " " " medium, Fig. 1641	doz 1 25
" " " " " large	doz 2 00
" small, on strings, 50 on string	string 1 00
" flat, for ovarian surgery, small	each 45
" " " " large, Fig. 1642	each 90
" " " " extra large	each 2 00

SPONGIO PILINE.....yard 5 00

WOOL, Lamb's, absorbent, 1 lb. packages	lb 1 90
" " $\frac{1}{2}$ " "	lb 2 00
" " $\frac{1}{4}$ " "	lb 2 00

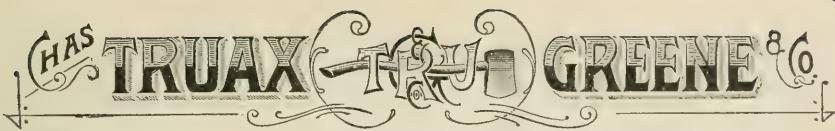
Cotton, bleached	lb 40
" unbleached	lb 35

Paper, plain	lb 25
Wood, pine	lb 25

WOOD FLOUR.....lb 20

Sublimated	lb 30
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WOOD TAMPONS, 14 inches long, 1 inch in diameter.....doz 75



"MOOSE-PAPPE" AS A SURGICAL DRESSING.

BY COLIN GEORGE CAMPBELL, M. R. C. S. (ENG.), L. R. C. P. I., SADDLEWORTH, YORKS.

WITH MICROSCOPICAL EXAMINATION BY EDWARD CHAMBERLAYNE,

M. B., C. M. (EDIN.), STALYBRIDGE.

Read at the Manchester Medical Society, December 2d, 1891.]

"MOOSE-PAPPE" as an absorbent aseptic dressing is not as well known in this country as its merits deserve. Abroad it is better appreciated, and in Germany it has been used extensively by Bardeleben, Mehlhausen, Heinecke, Hagedorn, Esmarch, etc., etc., for many years past. To draw the attention of my brother general practitioners to its merits is the object of these notes. What we require of an "absorbent dressing" is that (a) it should be aseptic; (b) soft and easy of application; (c) absorbent; (d) if it be cheap, so much the better.

Many "absorbents" are in use, but it will, I think, be generally admitted that absorbent cotton wool (Gamgee tissue) and wood wool occupy the highest place in the estimation of British surgeons, and with them I propose to compare the merits of "moose-pappe."

As regards requirements (a) and (b), I do not claim any advantage for "moose-pappe." I at once admit that "Gamgee" and wood wool are aseptic, and as easy of application. I will go further, and admit they are more easy of application, for there is only one way to apply them—that is, dry—whereas moose-pappe may be applied in a great variety of ways.

That brings me at once to its (c) absorbent powers, and upon that I pin my faith. I would ask my readers to try a simple experiment: Make three compresses of the shape they would apply to a discharging abscess, No. 1 to consist of Gamgee, No. 2 of wood wool, No. 3 of moose pappe (Hagedorn), (this latter is prepared by steeping the "cake" for a few seconds in warm water or a warm antiseptic solution and then drying on a sieve for 24 hours); each to weigh 2 drachms, or with its gauze envelope about 124 grains. Place these compresses in three saucers and add water at about 98° F. till each compress will suck up no more: then weigh. No. 1 will be found to weigh 2 oz. 2 dr.; No. 2, 2 oz. 3 dr., No. 3, 5 oz. 2 dr. No. 3 thus absorbing 20 times its original weight.

If this experiment be tried (or if moose be roughly placed in water) a marked difference will be observed in its behavior compared with other absorbents, wherein lies the key of the whole question. When "Gamgee" or wood wool is placed in contact with a liquid, the fluid seems at once to seize it, its bulk becomes diminished, and its surface wet, each fibre having become saturated with the moisture (it will be found that its capacity for absorption is the exact measure of its original bulk). Moose-pappe, on the other hand, seizes the liquid; its bulk becomes rapidly and enormously increased. The absorbed liquid does not lie on the surface or between the fibres, but is shut up within the capillary cells of the moss. Thus, though it is full of liquid, it does not feel wet, and though it may be full of pus it appears clean.



“MOOSE PAPPE” AS A SURGICAL DRESSING.

The microscopical notes, kindly added by Dr. Chamberlayne, demonstrate both this fact and its explanation.

Even when not rendered specially antiseptic, the de-odorant powers of moose-pappe are not less remarkable than its absorbent powers, and this renders it particularly useful as an application to foul ulcers or septic abscesses. Where with an ordinary absorbent daily dressings are required, the busy practitioner may safely leave his moose-pappe dressing two or even three days untouched, and will find when he removes it not a stink and a gush up of sealed-up pus, but a clean wound and no smell.

Moose is prepared in a great variety of ways by its clever manufacturer, **Herr Beckstroem, of Neustrelitz** (Germany). Their different uses and modes of application are not learned at once.

As a dry dressing, the moose-pappe of Dr. Rudolphi is, perhaps, the most convenient. It can be rapidly crumbled on thin gauze, which is then folded loosely over it. Moose-pappe (Hagedorn), prepared as before described, makes a beautiful soft dry dressing for amputations or large wounds. As a moist compress for ulcerating surfaces, moose-pappe (Hagedorn) lightly dipped in a boracic or other antiseptic fluid makes an ideal dressing, whilst as a padding for splints, particularly in cases of compound fracture or fracture complicated with flesh wounds, “moose-felt” will be found most satisfactory.

A word about gauze. I have known moose-pappe to absolutely fail as an absorbent because wrapped in a badly prepared gauze. Surgeons should test a piece of their gauze and see that it instantly sinks in water.

(d) Moose-pappe is decidedly the cheapest absorbent.

On examining microscopically a fragment of moistened moose-pappe, the typical structure of sphagnum is at once recognized. The essential feature of this structure, so far as regards the use of the moss as an absorbent dressing, is the (Fig. 1)

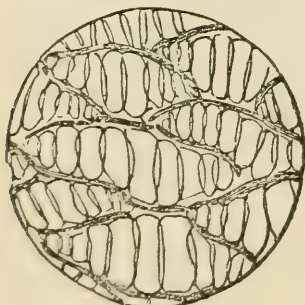


Fig. 1.



Fig. 2.

presence of large reticulated porous cells in the leaves, and of fibrous cells pierced with holes in the stem. The presence of these cells greatly increases capillary action in the stem and branches, and confers on this family of mosses their enormous power of absorbing moisture and raising it to a height. After being subjected to the action of pus, these cells are found full of pus corpuscles, the drawing (Fig. 2) being made from a piece of moss that had been soaked in pus, and then



“MOOSE PAPPE” AS A SURGICAL DRESSING.

vigorously washed under a tap, so as to remove all corpuscles lying externally to the cells. The capillary action of the moss appears then to be both inter- and intra-cellular. The appearance of cotton fibre and wood wool is widely different. Their absorptive powers appear to depend simply on the series of capillary tubes formed by the juxtaposition of their fibres. Examined while soaked in pus, the corpuscles are seen to be wholly external to the fibres of cotton and the fragments of wood (Figs. 3 and 4, and if the wood and cotton be washed in the same way as the moss,



Fig. 3.



Fig. 4.



Fig. 5.



Fig. 6.

and then examined, no trace of pus corpuscles will be found (Figs. 5 and 6). The capillary action of these substances appear thus to be wholly intra-cellular, and they lack entirely the power which the moss possesses—the property of absorbing into its own substance an enormous quantity of pus, or other similar body. This will account for the greatly superior absorptive power of the moose-pappe.

Moose-pappe, best quality, for use as an absorbent dressing.....lb. 35c.

Moose Felt (Leissink's). This is moose-pappe for use in small bandages or compresses, and where great care is necessary. It is in fact a finely prepared form of moose-pappe.

Pre in sheets 24x32 inches.....each 60c.



SURGICAL REQUIREMENTS.

J. ELLWOOD LEE COMPANY,

MANUFACTURERS AND EXPORTERS
OF LEE'S PATENTED

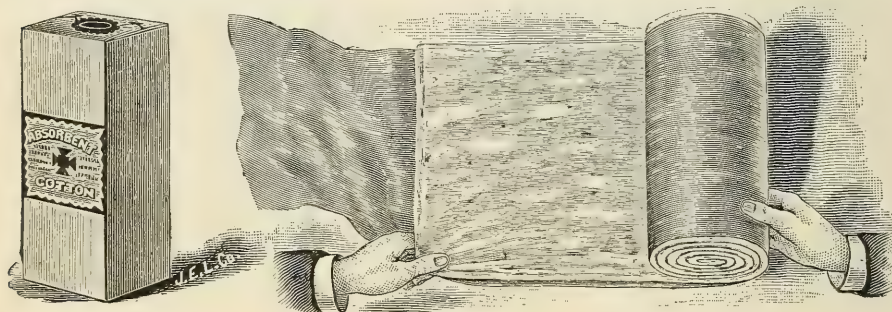
LEVIS' METALLIC SPLINTS.

Antiseptic Gauzes, Sponges, Absorbent Cotton, Plain and Medicated Adhesive and Court Plaster, Lint, Jute, Oakum, Oiled Silk and Protectives. The largest preparators of Antiseptic Dressings in the World. Surgeons' Silk, White and Iron Dyed, braided and twisted; Silver Wire, Cat Gut Ligatures in every form, Roller Bandages, Silk Worm Gut. Drainage Tubes, Hypodermic Syringes, Thermometers, Surgeons' Needles, Thermo-Cauteries, etc. "Lee's American Superior" Silken Linen Catheters and Bougies. Lisle Thread and Cotton Catheters, Bougies, etc.

ABSORBENT COTTON.

Tissue Paper between Layers. Plain and Medicated.

Our Absorbent Cottons are carefully made from fine selected staple, having the longest fibre, rendered thoroughly absorbent, and the percentage of the medicant is guaranteed.



Best Quality.	Size of Packages.	1 lb. per lb.	½ lb. per lb.	¼ lb. per lb.	2 ozs. per lb.	1 oz. per lb.	½ oz. per lb.
1. Plain Absorbent, with or without tissue paper.		\$ 65	\$ 65	\$ 70	\$ 75	\$ 75	\$ 90
2. Borated.		75	75	80	85	85	1 00
3. Carbolated.		75	75	80	85	85	1 00
4. Corrosive Sublimate.		75	75	80	85	85	1 00
5. Salicylated.		85	85	90	95	95	1 10

10. Iodoform, 5 per cent. 1 ounce bottles, per dozen, \$2.50.

10½. " pure, in 1 oz. screw cap jars, 60 cents each.

10 A. Dermatol Cotton, 1 oz. bottles, \$2.50 per doz.

10 B. " pure in 1 oz. screw cap jars, 90 cents each.

ABSORBENT COTTON—HOSPITAL GRADE.		In less than 100 lb. lots.		In 100 lb. lots or over.	
Hospital Quality.		1 lb. per lb.	½ lb. per lb.	1 lb. per lb.	½ lb. per lb.
11. Plain Absorbent.		\$ 40	\$ 45	\$ 38	\$ 40
12. Borated.		45	50	42	45
13. Carbolated.		45	50	42	45
14. Corrosive Sublimate.		42	48	40	42

ABSORBENT LINT.

25. Best quality, 1 lb. packages.	per lb.,	\$ 60
26. " ½ lb. "	"	64
27. " 1 oz. "	"	70
30. Hospital grade, 1 lb. " in less than 100 lb. cases.	"	55
31. " 1 lb. " in 100 lb. cases.	"	52
35. Dental Lint, best quality, 3 in. x 8 yds.	"	70
36. Envelopes, 8 in. square, best quality lint.	per gross,	4 00

All our lint is woven so as to stand some service, and will be found a vast improvement over the flimsy article usually sold under this name.

HAS TRUAX & GREENE

SURGICAL REQUIREMENTS.

ADHESIVE PLASTERS.

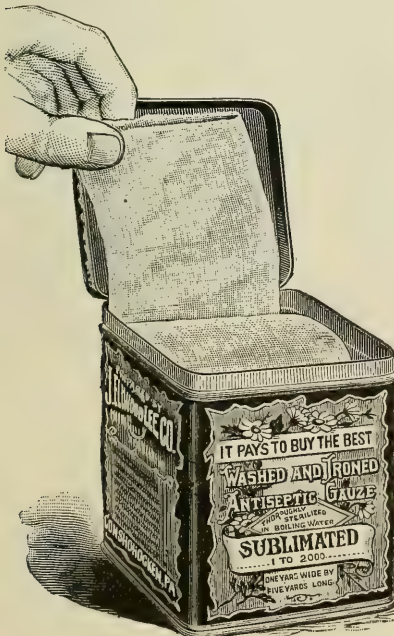
In rubber combination. Wound on tin spools. Spread on strong cotton cloth.

60.	Surgeons' Rubber Adhesive,	1/2 in.x 10 yds.,	per doz.	\$ 3 50
61.	"	1 in.x 10 yds.	"	4 00
62.	"	2 in.x 10 yds.	"	6 00
63.	"	3 in.x 10 yds.	"	8 00
64.	"	12 in.x 5 yds.,	per roll	1 50
65.	"	7 in.x 1 yd.,	per doz.	3 00
65 A.	"	7 in.x 5 yds.,	"	12 00



SURGEONS' ISINGLASS PLASTER.

80.	On Fine Silk (flesh, black or white),	7 in.x 1 yd.	per doz.	\$4 80
81.	"	7 in.x 5 yds.	"	25 00
85.	On Tracing Cloth,	7 in.x 1 yd.	"	3 60
86.	"	7 in.x 5 yds.	"	19 00



Antiseptic

Dressings.

THE GROWTH OF OUR PLANT . . .
PRACTICALLY DEMONSTRATES THE .
UNIFORM EXCELLENCE OF . . .
OUR PRODUCTS.

WASHED AND IRONED
MUSLIN ROLLER BANDAGES,
UNBLEACHED BANDAGES,
PLASTER PARIS BANDAGES,
STARCH AND CRINOLIN BANDAGES,
FLANNEL BANDAGES,
GAUZE BANDAGES, PLAIN AND MEDICATED,
EVERY VARIETY OF MEDICATED GAUZE,
ABSORBENT GAUZE,
GAUZE MEDICATED TO ORDER,
... In Cartons, Cans and Glass Jars. . .

A small trial order will soon convince the most skeptical as to the superior quality of our Gauzes. The percentages of our Medicants are based on the total weight of the finished Gauzes.

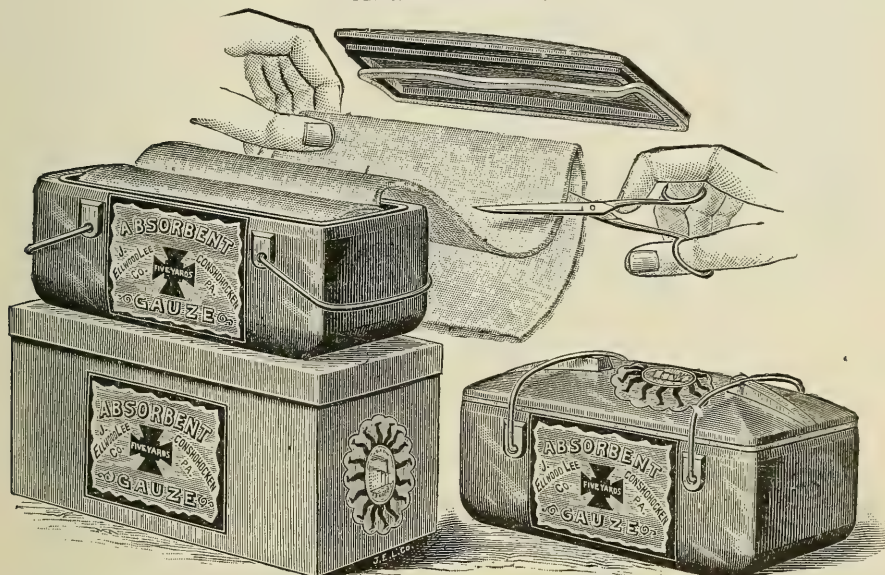


SURGICAL REQUIREMENTS.

OPEN MESH OR No. 2 ABSORBENT GAUZE.

	per yd.
169 C. Plain open Mesh No. 2 Gauze, 36 in. wide, 1,500 to 2,000 yards to case. Pieces rolled or folded in case lots.....	\$ 03¾
169 D. No. 2 Gauze in 1,000-yard lots, Plain in 25-yard cartons, figure 3.....	04¼
169 E. No. 2 Gauze in 500-yard lots, Plain in 25-yard cartons, figure 3.....	04½
169 F. No. 2 Gauze in smaller lots, Plain in 25-yard cartons, figure 3.....	05
169 B. Sublimated 1 to 2,000, No. 2 Gauze, 100-yard lots, in 25-yard cartons, figure 3.....	05

LEE'S NEW PATENTED GLASS GAUZE JAR. THE ONLY PERFECT CONTAINER ON THE MARKET.



ANTISEPTIC GAUZE IN SQUARE CANS, OR IN SQUARE GLASS JARS, OR IN LEE'S NEW PATENTED BOX GLASS JAR.

	1 yd. x 1 yd.	1 yd. x 5 yd.
170. Plain.....	\$ 18	\$ 50
171. Sublimated, 1 to 2,000.....	29	65
172. Borated, 10 per cent.....	18	75
173. Carbolated, 10 per cent.....	28	65
173a. Iodoform, 5 per cent.....	30	1 30
174. " 10 ".....	40	1 50
175. " 20 ".....		1 75

ANTISEPTIC GAUZE IN FOLDING CARTONS.

	1 yd. x 1 yd.	1 yd. x 5 yds.	1 yd. x 25 yds.
139. Plain Absorbent.....	\$ 13	\$ 40	\$ 50
140. Sublimated, 1 to 2,000.....	15	55	1 60
141. Borated, 10 per cent.....	17	60	1 60
142. Carbolated, 10 per cent.....	15	55	1 60
143. Iodoform, 5 per cent.....	24	1 00	4 25
144. Iodoform, 10 per cent.....	26	1 25	5 25

MEDICATED GAUZE BANDAGES.—MOIST OR DRY.—EACH IN WAX PAPER.

	1½ in.	2 in.	2½ in.	3 in.	3½ in.	4 in.
190. Plain per dozen..... 10 yards long.	\$ 75	\$ 90	\$ 1 05	\$ 1 20	\$ 1 35	\$ 1 50
191. Carbolized, 5 or 10 per cent..... 10 "	85	1 05	1 15	1 25	1 40	1 50
192. Borated, 5 or 10 per cent..... 10 "	85	1 05	1 15	1 25	1 40	1 50
193. Corrosive Sublimate..... 10 "	85	1 05	1 15	1 25	1 40	1 50
194. Iodoform..... 10 "	1 75	2 00	2 40	2 75	3 15	3 50

HAS TRUAX & GREENE & CO.

SURGICAL REQUIREMENTS.

SUPERIOR SURGICAL LIGATURES.

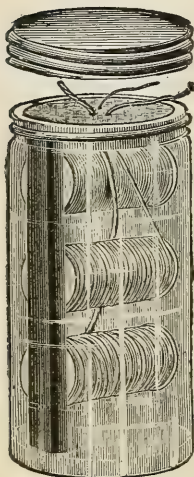
IT PAYS TO BUY THE BEST.

"LEE'S PATENTED PACKAGE."

BOILED IN ALCOHOL UNDER PRESSURE.

370.	Twisted Silk, Regular size.....	per bottle	\$0 75
330.	Braided Silk, ".....	"	75
200.	Catgut, ".....	"	75
371.	Twisted Silk, Hospital Size.....	"	2 00
331.	Braided Silk, ".....	"	2 00
201.	Catgut, ".....	"	2 00
225.	Empty packages, complete, small size.....	"	50
226.	" " Hospital size..	"	1 25

This Three-Size Package is now put up by the Aseptic Method, and will be furnished that way with the Ligature boiled and preserved in plain alcohol, unless the old style medicated Ligature should be specially designated on the order. We have conclusive proof that Antiseptic Medicants often deteriorate or rot the Ligatures, while Alcohol, without Antiseptic agencies is found to be the best preservative of Ligatures of all kinds, and will no doubt supersede all other preservatives. The Surgeon may re-sterilize the Gut, if he desires, by placing it in an oven heated to 200° Fahr. for one hour.



Patented July 10, 1883.

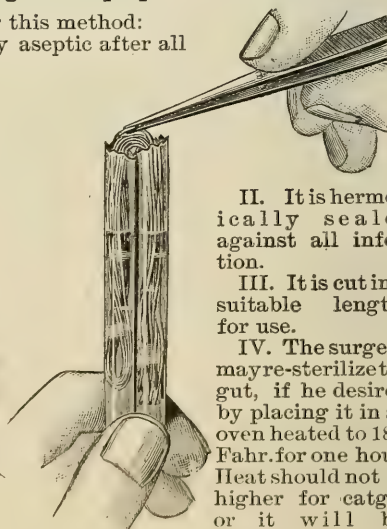
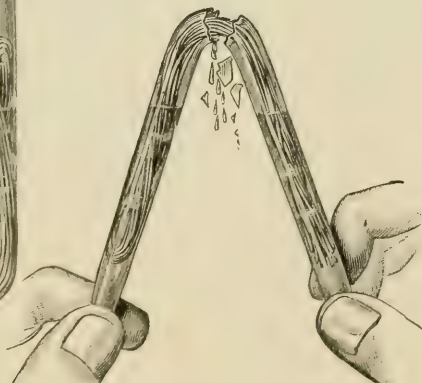
DR. G. R. FOWLER'S ASEPTIC LIGATURE TUBES.

LIGATURES BOILED IN ALCOHOL UNDER PRESSURE.

"The Ligatures by this method are rendered absolutely Aseptic after being hermetically sealed, and after all handling in the preparation has ceased."

The following advantages are claimed for this method:

I. The catgut is rendered absolutely aseptic after all handling in the preparation has ceased.



II. It is hermetically sealed against all infection.

III. It is cut into suitable lengths for use.

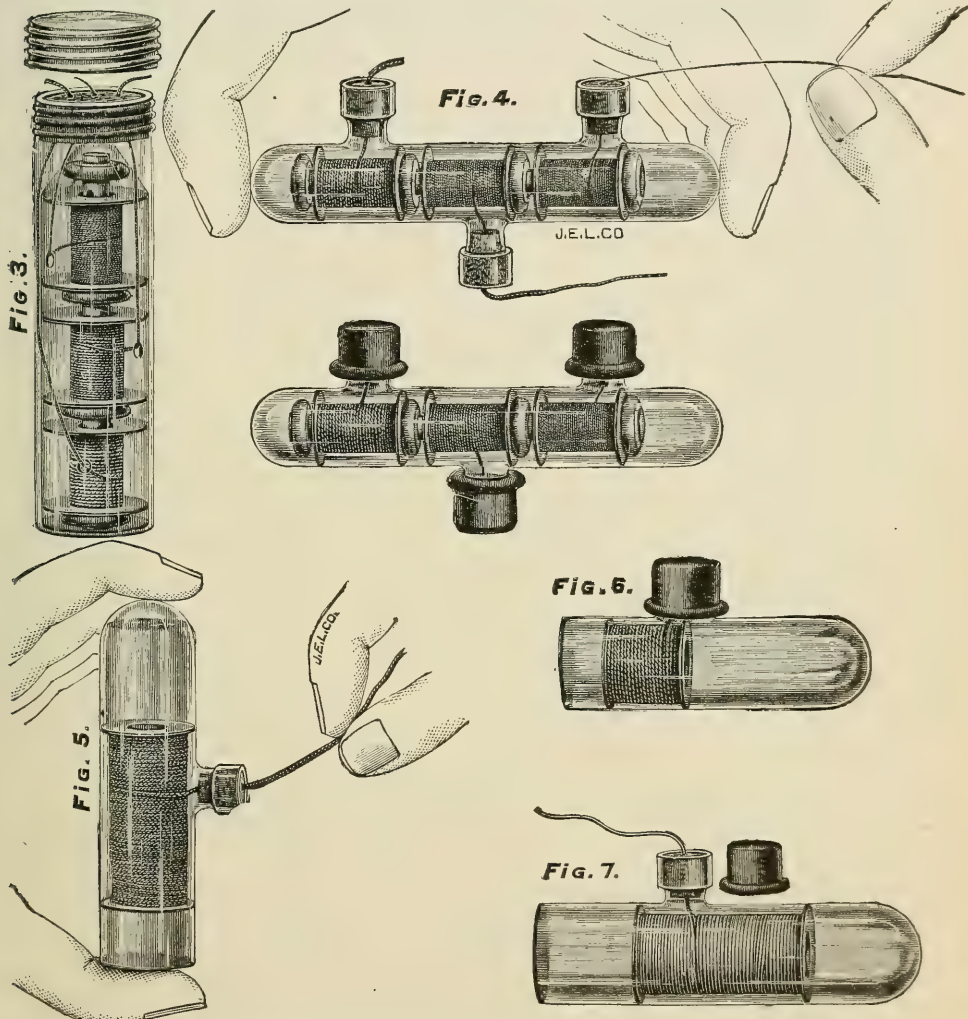
IV. The surgeon may re-sterilize the gut, if he desires, by placing it in an oven heated to 185° Fahr. for one hour. Heat should not be higher for catgut or it will be cooked.

210.	Dr. Fowler's Tubes, Aseptic Catgut.....	each	\$0 25
211.	" " " " Silk Worm Gut.....	"	25
212.	" " " " Twisted Silk.....	"	25
213.	" " " " Braided Silk.....	"	25
214.	" " " " Cable Twist.....	"	25
214½.	" " " " Kangaroo Tendons.....	"	25

HAS TRUAX & GREENE & CO.

SURGICAL REQUIREMENTS.

LEE'S NEW PATENTED ASEPTIC LIGATURE PACKAGES.



All these packages are put up as ordered containing, *Cutgut*, *Braided Silk*, *Twisted Silk*, and *Cable Silk*; there being no difference in the price of ligature used to fill the various packages.

Fig. 3.	Lee's Vertical 3-spool Tube, complete.....	each	\$0 50
Fig. 4.	Lee's 3-spool Tank Package, complete.....	each	75
Fig. 6.	Lee's No. 1 Small Tank Package, complete.....	each	30
Fig. 7.	Lee's No. 2 Medium Tank Package, complete.....	each	75
Fig. 5.	Lee's No. 3 Large Tank Package, complete.....	1	75
	No. 2 Hospital Size, and No. 3 Extra Hospital Size.		



JOHNSON & JOHNSON'S PLASTERS.

JOHNSON & JOHNSON'S Plasters, plain and porous:

J. & J., Aconite, 5x7½.....	doz	\$ 1 13
J. & J., " 1 yard, 7 inches wide.....	doz	6 60
J. & J., " and Belladonna, 5x7½.....	doz	1 13
J. & J., " " " 1 yard, 7 inches wide.....	doz	6 60
J. & J., Arnica, 5x7½.....	doz	84
J. & J., " 1 yard, 7 inches wide.....	doz	6 00
J. & J., Belladonna, 5x7½ inch.....	doz	1 13
J. & J., " 1 yard, 7 inches wide.....	doz	7 20
J. & J., " 5 " 5 inch.....	roll	2 00
J. & J., " 5 " 7 ".....	roll	2 90
J. & J., " and Capsicum, 5x7½.....	doz	1 13
J. & J., " " 1 yard, 7 inches wide.....	doz	7 20
J. & J., " " 5 " 7 ".....	roll	2 90
J. & J., " and Opium, 1 " 7 ".....	doz	9 00
J. & J., Blister, plain, 1 yard.....	doz	7 20
J. & J., " Camphorated, 1 yard.....	doz	7 20
J. & J., Bryonia, 5x7½.....	doz	1 25
J. & J., " 1 yard, 7 inches wide.....	doz	9 00
J. & J., Canthos Vesicant, 1 yard.....	doz	12 00
J. & J., Capsicum, 5x7½.....	doz	84
J. & J., " 1 yard, 7 inches wide.....	doz	6 00
J. & J., " 5 " 5 inch.....	roll	1 75
J. & J., " 5 " 7 ".....	roll	2 50
J. & J., Kidney—"Red Cross".....	doz	1 50
J. & J., Lead.....	doz	6 00
J. & J., Mercurial.....	doz	9 00
J. & J., Opium.....	doz	1 25
J. & J., " 1 yard, 7 inches wide.....	doz	9 00
J. & J., Poor Man's, 5x7½.....	doz	84
J. & J., Quinine, porous, 5x7½ inch.....	doz	84
J. & J., Rheumatic, porous, 5x7½ inch.....	doz	1 00
J. & J., Rhus Tox, 5x7½ inch.....	doz	1 25
J. & J., " 1 yard, 7 inches wide.....	doz	9 00
J. & J., " and Bryonia, 5x7½ inches.....	doz	1 25
J. & J., " " 1 yard, 7 inches wide.....	doz	9 00
J. & J., Spice, 1 yard, 6 inches wide.....	doz	3 60
J. & J., Strengthening, porous, 5x7½ inch.....	gro	6 50
J. & J., " 1 yard, 7 inch wide.....	doz	6 00
J. & J., " 5 " 5 ".....	roll	1 25
J. & J., " 5 " 7 ".....	roll	1 75



JOHNSON & JOHNSON'S PLASTERS.

JOHNSON & JOHNSON'S, Plasters, plain and porous:

J. & J., Thapsia, French Formula, 1 yard.....	doz	\$5 50
J. & J., Warming.....	doz	84
J. & J., Wood's Penetrating, 5x7½ inch.....	doz	1 50
J. & J., Rubber Adhesive, on Moleskin, 1 yard.....	doz	6 00
J. & J., " " " 5 "	roll	2 50
J. & J., " " Cotton Cloth, 1 "	doz	3 50
J. & J., " " " 5 " 7 inch.....	roll	1 00
J. & J., " " " 5 " 12-inch.....	roll	1 25
J. & J., " " Twilled Linen, 1 yard.....	doz	6 00
J. & J., " " " 5 "	roll	2 50
J. & J., " " on Spools, 10 yard, ½-inch.....	doz	3 50
J. & J., " " " 10 " 1 "	doz	4 00
J. & J., " " " 10 " 1½ "	doz	4 80
J. & J., " " " 10 " 2 "	doz	6 00
J. & J., " " " 10 " 2½ "	doz	6 60
J. & J., " " " 10 " 3 "	doz	7 80
J. & J., Surgeons' Isinglass Muslin, 1 yard.....	doz	3 00
J. & J., " " " 5 "	roll	1 50
J. & J., " " Silk, 1 " white, flesh or black....	doz	4 80
J. & J., " " Tracing Cloth, 1 yard.....	doz	3 60
J. & J., Mustard, on Cloth, 6 leaves.....	doz	1 50
J. & J., " " " 10 "	doz	2 50
J. & J., " " " 1 yard.....	doz	2 50
J. & J., " on Paper, 10 leaves.....	doz	2 00
J. & J., " " 1 yard.....	doz	1 75
J. & J., Wood's Adhesive, extra strong, 1 yard.....	doz	6 00
J. & J., " " " 5 "	roll	2 50
J. & J., Poultice, Linseed.....	doz	3 60
J. & J., " Slippery Elm.....	doz	3 60
J. & J., Sponges; Antiseptic, Surgeons', bleached, 12 in a bottle....	doz	9 00
J. & J., Tablets, Corrosive Sublimate, 25s.....	doz	2 00
J. & J., " " " 50s.....	doz	3 50
J. & J., " " " 100s.....	doz	7 00
J. & J., " " " 500s or 1 lb.....	each	2 75
J. & J., Tubes, Drainage, purified rubber, antiseptic, 5 tubes assorted sizes in a bottle.....	doz	4 80
J. & J., Tamponite, 1s and ½s.....	lb	1 50
J. & J., " ounces.....	lb	1 50
J. & J., Wool, Antiseptic, lbs., ½s and ¼s.....	lb	2 00
J. & J., " " ounces.....	lb	2 25
J. & J., Wood's Wool Tampons.....	doz	75
J. & J., Lint.....	(per lb.) oz, 75c.	lb 60
J. & J., Lintine, lbs. and ½s.....	lb	60
J. & J., " ounces.....	lb	75
J. & J., " Borated, Carbulated and Corrosive Sublimate.....	lb	75



JOHNSON & JOHNSON'S PLASTERS.

JOHNSON & JOHNSON'S Plasters, plain and porous :

	lbs.	½s.	¼s.	⅛s.	oz.	½ oz.
J. & J., Cotton, Absorbent.....	\$0 40	\$0 45	\$0 50	\$0 55	\$0 60	\$0 85
J. & J., " Borated.....	55	55	60	65	70	....
J. & J., " Carbolated.....	55	55	60	65	70	....
J. & J., " Corrosive Sublimate..	55	55	60	65	70	....
J. & J., " Iodized, 1-oz. bottles. ....	....	....	....	....	2 00	doz
J. & J., " Iodoform, Air Tight. ....	....	....	2 00	....	2 00	doz
J. & J., " Salicylated.....	70	75	80	85	85	....
J. & J., " Styptic, 1 oz. bottles. ....	....	....	....	....	1 75	doz
J. & J., " Wool.....	35	....	....	....	....	....

	Wax P'pr.	Tubs.	Glass Jars,	Tin
	25 yds.	100 yds.	1 yd. 5 yds.	1 yd. 5 yds.
J. & J., Gauze, Borated.....	\$2 50	\$7 50	\$0 15	\$0 60
J. & J., " Carbolated.....	2 50	7 50	15	60
J. & J., " Corrosive Sublimate.....	2 50	7 50	15	60
J. & J., " Cyanide Mercury and Zinc	20	70
J. & J., " Eucalyptol.....	20	80
J. & J., " Iodoform, 10 per cent....	5 00	20 00	30	1 25
J. & J., " " 20 "	40	1 75
J. & J., " Tar.....	20	70
J. & J., " Thymol.....	20	80
J. & J., " Plain, 5 yard, wrapped packages.....	roll
J. & J., " " 25 " " "	roll
J. & J., " " 50 " " "	roll
J. & J., " " 100 " " "	roll
J. & J., Jute, Plain, 1 lb. packages.....	lb
J. & J., " Tarred, 1 lb. packages.....	lb
J. & J., Oakum, specially prepared, 1 lb. packages.....	lb
J. & J., " " " 50 lb bales.....	lb
J. & J., Bandages, Cotton, 1½, 2, 2½, 3, 3½, 4 inches wide.....	lb
J. & J., " " assorted, 1½ to 4 inch.....	lb
J. & J., " Flannel, white and red, assorted, 1½ inches.....	lb
J. & J., " Gauze, Bichlor. or carb. 10 yd. x 2 inches.....	doz
J. & J., " " " 10 " x 2½ "	doz
J. & J., " " " 10 " x 3 "	doz
J. & J., " " " 10 " x 4 "	doz

	1½ in.	2 in.	2½ in.	3 in.	4 in.
J. & J., Bandages, Gauze, plain, 10 yd., doz.	\$0 75	90	1 00	1 20	1 40
J. & J., " Linen, assorted.....	....	....	....	lb.	1 50
J. & J., " Martin's, 2 inch.....	roll	\$ 0 50	\$ 0 75	90	....
J. & J., " " 2½ " .....	....	....	55	85	1 10
J. & J., " " 3 " .....	....	....	80	90	1 25

CHAS. TRUAX & CO. GREENE & CO.

CHAS. TRUAX, GREENE & CO'S IMPROVED EMERGENCY BAG,

As arranged by J. B. McFATRICH, M. D., Chicago.



Showing bag open and instruments exposed.

I have long felt the need of an emergency operating case which would be compact, neat and sufficiently large to carry all instruments, antiseptics and dressings necessary in emergency cases and at the same time not be too large and cumbersome. I have used many of the emergency bags recommended by eminent surgeons, but have always found them large and inconvenient.

The Cabinet Bag made by CHAS. TRUAX, GREENE & Co. for me, represented by the accompanying cut, is 15 inches long, 9 inches high and 8 inches wide; it is lined with soft, smooth leather to render it as nearly aseptic as possible, and has the important feature of opening on the top, thus fully exposing the contents. On the inner side of the lids are fitted:

- | | |
|--|----------------------------|
| 1 METACARPAL SAW. | 1 MEDIUM AMPUTATING KNIFE, |
| 1 ARTERY FORCEP. | 1 SEQUESTRUM FORCEP. |
| 1 RAZOR, | 1 HYPODERMIC SYRINGE. |
| 1 Pair of heavy scissors, useful in cutting off clothing, etc. | |

On the side of the bag proper are four oval pocket flasks, which, on account of their flat shape, are used to economize space. These are filled with Chloroform, Ether, Brandy or Whiskey, and Solution of Iodoform in Ether, or Carbolic Acid, as the surgeon may prefer. These are labeled to prevent mistakes occurring.

On the other side are arranged the usual antiseptics for surgical operations. These are

- | | |
|----------------------------|---------------------------------|
| CARBOLIZED DRAINAGE TUBES. | TABLETS OF CORROSIVE SUBLIMATE. |
| DUSTING BOX FOR IODOFORM. | DUSTING BOX FOR BISMUTH. |
| CARBOLIZED CAT GUT. | CARBOLIZED SILK, BRAIDED. |
| ANTISEPTIC SOAP. | NAIL BRUSH. |

Bottle of Carbolized Sponges and Bottle of Needles, Pins, etc.

Over the bottom and on the outside of the bag are two metal trays held in position by straps passed around the bag. I use these to hold antiseptic solutions, for my instruments and dressings. This comprises the bag proper. The arrangements is such that the surgeon has still at his disposal about three-fourths of the space in the bag.

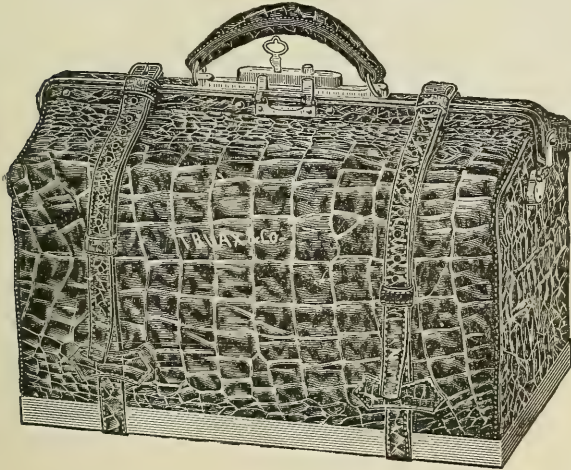


SURGICAL REQUIREMENTS.

I keep in the bag, at all times, a dozen assorted bandages, a roll of bichloride of mercury gauze, absorbent cotton, rubber adhesive plaster, a large fountain syringe with Esmarch irrigating nozzle, plaster bandages, a rubber apron, a rubber sheet, a Kelly cushion, an Esmarch latest tourniquet and a roll of instruments.

All instruments not in the lids I carry in a linen instrument roll so that I may change them according to my surgical work. But for emergency work, if a pocket case knife or so is put in the lid, the bag will contain all that is necessary.

I have several of these instrument rolls, each one yard long, through the middle of each of which are adjustable loops. In these loops all instruments are placed, the object being to economize space and keep the instruments as nearly aseptic as possible. When soiled, being made from toweling, they may be washed, dipped in a solution of bichloride of mercury and thoroughly dried. Then they are aseptic and ready for use.



When the bag is packed it will weigh 18 or 20 pounds, and may be carried in the hand, on the train or in the buggy. It may be bought without the instruments in the lids, the surgeon fitting his own into the loops thus curtailing the expense. The makers, however, usually furnish the razor, sequestrum forcep and heavy scissors.

When starting, with the view of performing an operation, with the bag as above described, I do not feel apprehensive of having forgotten anything.

Upon receiving an urgent call I pick up the bag and go, knowing that I can do whatever is required and do it antiseptically when I get there. It meets my requirements.

J. B. McFATRICH, Chicago

Showing the bag closed and with metal trays strapped to the bottom.

The Emergency bag is manufactured from dark seal grained or alligator grained leather, neatly lined with American kid. The bag is cabin shape, so that when open its contents are all exposed and within easy reach. The lids are each supplied with flaps, under which are loops for instruments.

IMPROVED EMERGENCY BAG NO. 1 contains four flasks, 2 half pint and 2 quarter pint one Bone Spicula Forcep, 1 pair heavy Scissors for removing clothing; 1 good quality razor; 1 one gallon Fountain Syringe with Esmarch's irrigating nozzle; 1 doz. Carbolyzed Surgeon's Sponges in metal capped bottle; 1 Hard Rubber Iodoform Dusting Box; 1 bottle Braided Silk, assorted sizes; 1 bottle Catgut, assorted sizes; 1 bottle soft Rubber Drainage Tubes; 1 bottle containing Needles and Pins; 1 cake Antiseptic Soap; 1 bottle Antiseptic Tablets; 1 Nail Brush; 1 Linen Roll, with adjustable loops. All arranged in a 15-inch black seal grain leather bag provided with two metal trays, as shown in the illustration. Price, net. . . . \$25.00

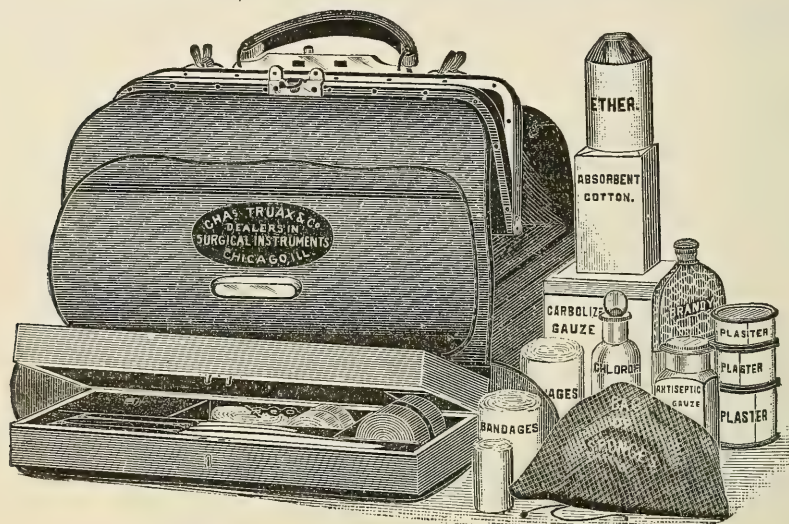
IMPROVED EMERGENCY BAG NO. 2 contains in addition to the above, 4 Snap Catch French Lock Artery Forceps; 1 all metal Aseptic Amputating Knife; 1 Aseptic Amputating Saw; 1 all metal Amputating Scalpel; 1 Pair Aseptic Bone Cutting Forceps; 1 Esmarch's Instantaneous Tourniquet, and 1 Rubber Bandage, all arranged in a 15-inch bag as described above. Price, net. . . . \$38.50

IMPROVED EMERGENCY BAG NO. 3 contains in addition to the contents of No. 2, 1 doz. assorted Cotton Roller Bandages; ½ doz. Plaster Paris Bandages; 4 oz. Absorbent Cotton; 5 yards Antiseptic Gauze; ½ yard Silk Protective; 1 Roll Rubber Adhesive Plaster, 2 inches by 10 yards; 1 additional Instrument Roll; with flasks for Chloroform, Ether, Brandy, and Carbolic Acid and box for Iodoform, all filled. Price, net. . . . \$43.00

IMPROVED EMERGENCY BAG NO. 4, filled as described by J. B. McFATRICH, M. D. but without Apron, Sheet, Kelly Cushion or Pocket Case Knife. Price, net. . . . \$41.50
Extra for Bags made from genuine alligator leather. . . . 5.00
Extra for 16-inch Bags with metal trays to fit. . . . 1.50

CHAS. TRUAX & CO. GREENE & CO.

CHAS. TRUAX, GREENE & CO'S EMERGENCY CASE.



Truax, Greene & Co's Original Emergency Case. \$45.00.

This case is intended for the use of those who are making a specialty of surgery, and who desire to have a case in readiness that contains a complete assortment of such instruments, medicines and appliances as are necessary for use when the surgeon is suddenly called upon for action. It is in satchel form and contains:

- | | |
|-------------------------------|--|
| 1 Medium amputating knife. | 1 Tenaculum. |
| 1 Amputating saw. | 1 Trephine. |
| 1 Large scalpel. | 1 Elevator and raspatory. |
| 1 Scissors. | 1 Hey's saw. |
| 2 Artery forceps. | 1 Brush. |
| 2 Field tourniquets, U. S. A. | 12 Needles (4 of them threaded for use). |
| 1 Esmarch's tourniquet. | 25 Yards best braided silk. |
| 2 Steel artery clamps. | 2 Small coils silver wire. |
| 1 Long silver probe. | 1 Soft rubber catheter. |

All of above of aseptic patterns in a plain wood case, that fits closely into the bottom of the satchel.

- | | |
|--|--|
| 1 Fever thermometer, No. 4. | 1 lb. pure ether, for anaesthesia, in 4 oz. tin cans. |
| 1 Hypodermic syringe, No. 2. | 1 Oz. styptic cotton, in bottle. |
| 1 Yard antiseptic gauze. | 4 Oz. Chloroform, in metal covered bottle. |
| 1 Doz. roller bandages, assorted. | 2 1-oz. glass-stop. bottles, metal covered. |
| 2 Pieces felt for making splints. | 1 Medicine case containing 10 2-drachm vials, all filled and labeled, from any list of ordinary priced remedies that the purchaser may select, |
| 5 Surgeons' sponges assort'd in rubber bag | 1 Teaspoon. |
| 3 Rolls Mead's plaster, $\frac{1}{2}$, 1 and 2 in. wide | 1 Package lint. |
| 3 Rolls isinglass plaster, cotton, $\frac{1}{2}$, 1 and 2 in. wide. | 2 Towels. |
| 2 Yards adhesive plaster, 9 inches wide. | |
| $\frac{1}{2}$ Yard oil silk protective. | |
| 1 Pint brandy, in leather-cover flask | |
| 1 Medicine glass. | |
| 2 Oz. absorbent cotton. | |

All of these fitted neatly and compactly into a satchel-shaped case, with space for such other small articles as the purchaser may wish to add.



TRUAX, GREENE & CO'S ACCIDENT CASE.

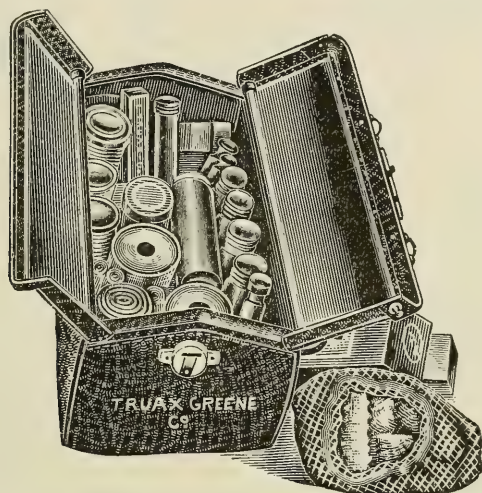


Fig. 1213. TRUAX, GREENE & CO'S ACCIDENT CASE.

This satchel is intended for use where the surgeon, being provided with an amputating set, desires an accompaniment for it that will furnish the dressings, ligatures and apparatus necessary, when he is suddenly called upon to attend emergency accident cases. The bag is of fine quality leather, well finished, lined with good material; it is 13 in. long, 9 in. wide, and 9 in high, and contains:

- | | |
|--|---|
| <ul style="list-style-type: none"> ¼ Pound Absorbent Cotton. 1 Yard Antiseptic Gauze. 1 Spool Rubber Adhesive Plaster, 2 in. wide. 1 Spool Rubber Adhesive Plaster, 1 in. wide. 1 Spool Isinglass Plaster, 1 in. wide. 2 Roller Bandages, 3 in. wide. 3 Roller Bandages, 2 in. wide. 3 Roller Bandages, 1 in. wide. 1 Bottle Antiseptic Silk Ligatures, 3 sizes. 1 Bottle Antiseptic Catgut Ligatures, 3 sizes. 1 Card Braided Silk, 3 sizes. 2 Coils Silver Wire. 25 Silk Worm Gut Ligatures. in bottle. 2 Ounces Lint. ½ Yard Oil Silk Protective. 1 Yard Gutta Percha Tissue. | <ul style="list-style-type: none"> 6 Surgeons' Sponges in Rubber bag. 1 Ounce Iodoform in Dusting box. 100 Bichloride Mercury Tablets. 2 Ounces 95 per cent. Carbolic Acid in metal covered bottle. 2 Ounces Chloroform in metal covered bottle. 4 Ounces Sulphuric Ether in metal covered bottle. 1 Ounce Styptic Cotton. 1 Bottle Drainage Tubes, assorted sizes. 1 Dozen Assorted Needles in bottle. 1 Lot Pins in bottle. * 1 Good Quality Razor, 1 Cake Antiseptic Soap. * 1 Rubber Bandage. * 1 Instantaneous Tourniquet. * 1 Scoop Powder Blower. 1 Truax, Greene & Co's Aseptable Fountain Syringe. |
|--|---|

Price, including all of above.....\$17 50

Price. without Razor, Rubber Bandage, Tourniquet and Powder Blower..... 15 00

Cases similar to this made to order.



DIRECTIONS FOR HONING EDGED INSTRUMENTS.

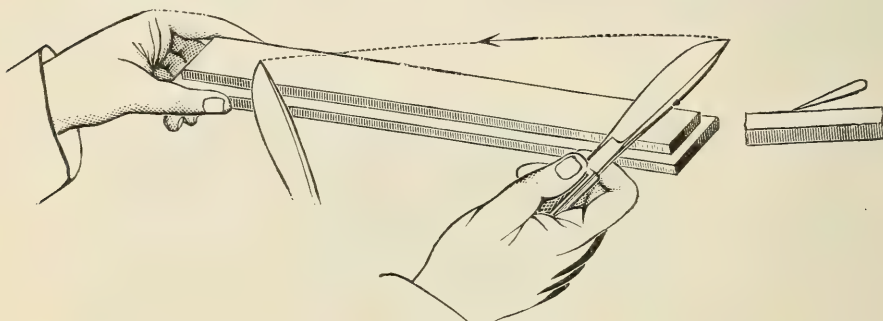


Fig. 1.

The first thing necessary to success is the selection of a stone—one free from hard grains and soft places, and without flaws. Washita and Arkansas stones are among the best, the former being the better for sharpening a dull instrument (as it cuts away the metal faster than the Arkansas), while for the finishing edge the latter is unquestionably the better of the two.

After securing a suitable stone and lubricating its surface with glycerine (this being the best known lubricant for this purpose), the knife should be lightly grasped (as shown in Fig. 1) so that with a single sweep the entire edge of the knife, whether long or short, may be brought in contact with the stone by the time the knife reaches the end of the stone in the left hand. It will be seen that with a long knife the point must describe the arc of a much smaller circle, and that the movement really consists in drawing the edge toward the operator instead of shoving it straight across the stone. Great care must be exercised with each sweep of the knife to maintain the same relative angle between the axis of the blade and the surface of the stone. This should be about 30° (as shown in Fig. 1), and as each sweep made with the blade at an angle greater or less than this only tends to increase rather than decrease the labor, its importance must not be overlooked. Of course the movement described in Fig. 1 only whets the left side of the knife when viewed from the edge, and the other side must be sharpened by a return movement exactly like the first. The finishing touches should be given as shown in Fig. 2, with the knife drawn backward, observing the same directions as before.

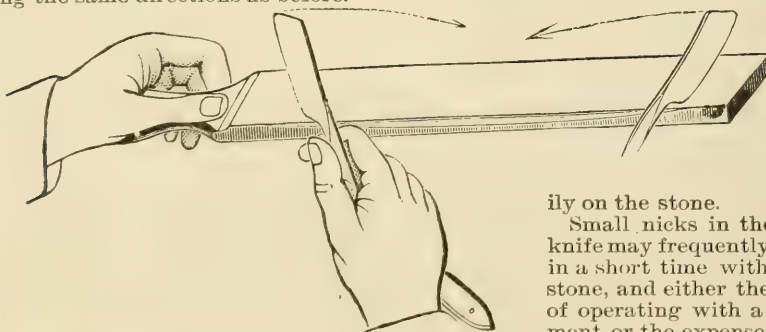


Fig. 2.

Avoid grasping the handle tightly because the edge must rest lightly and easily on the stone.

Small nicks in the edge of a knife may frequently be removed in a short time with a Washita stone, and either the annoyance of operating with a dull instrument or the expense incurred in sending to an instrument maker avoided.

Arkansas stones, slips, according to size.....	35c. to \$0 60
" " mounted on mahogany handle, 1 in. x 4 in., same as Fig. 2....	75
" " in hard rubber box, Fig. 1664.....	1 00
Washita stones, mounted on mahogany handle, 1 in. x 4 in., same as Fig. 2....	50
" " in hard rubber box, Fig. 1664.....	75



FOR PHYSICIANS' USE.

METALLIC COVERED BOTTLES.

Drawn from Solid Metal, with Locking Ring on each Bottle.

FOR THE PURPOSE OF

PERFECT PROTECTION OF BOTTLES CONTAINING LIQUIDS.



Fig. 1215, open.

DIRECTIONS.

Screw the cover down until it rests upon the cork, then turn back the locking ring on to the cover, which will securely lock the case.



Fig. 1215, closed.

These cases are made in a variety of sizes, for bottles of one, two, four and eight ounce capacity each; each case however is made adjustable to bottles of different lengths, so that duplicates for the cases are easily obtained, besides being of great value to physicians, thus enabling them to transport liquids with absolute safety. They are handsomely double plated in nickel and gold and beautifully finished for bureau toilet sets. For travelers they are indispensable for carrying liquids, oils, pomades, powders, etc., while special patterns are made for soaps, sponges, etc.

They are very light, the corrugations strengthening them so that they resist crushing, admitting of their being packed in any position.

No. 1.	Furnished with 1 oz. bottle, diam. 1½ in., length 3½ in., wt. 4½ oz., price each.....	\$0 50
No. 2.	" " 2 " " " 1½ in., " 4 in., " 5½ oz., " "	63
No. 3.	" " 4 " " " 2 in., " 5½ in., " 7½ oz., " "	75
No. 4.	" " 8 " " " 2½ in., " 7 in., " 12 oz., " "	1 00

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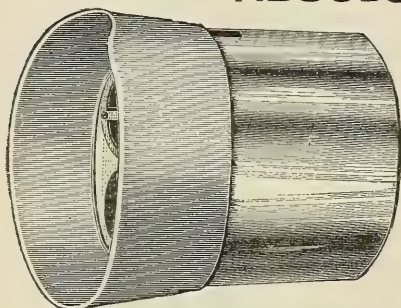
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Full stock carried by CHAS. TRUAX, GREENE & CO.

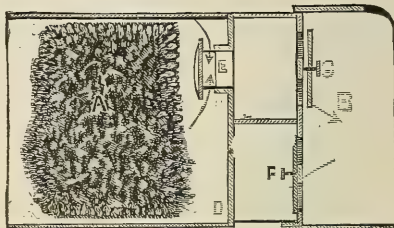


ADAMS' AUTOMATIC ETHERIZER.

ABSOLUTELY SAFE.



The Etherizer is a very handsome Instrument, Polished and Nickel Plated, about 6 inches long, Oval in shape, and easily carried in the coat pocket when it is necessary to administer ether away from the office.



Description of Cut:—A, Sponge for ether in open end of Etherizer; B, Flexible Rubber mouth-piece, fitting closely about the mouth and nose; E, Opening for Ether vapor covered by a cap to prevent any dripping of ether upon the patient when held in a perpendicular position; C, Valve for inhalation of ether; F, Valve for exhalation of breath at opening, D.

ALWAYS WORKS.

The valves never get out of order.

SIMPLE IN CONSTRUCTION.

No springs to be replaced, the lightest breath operates the valves.

ECONOMICAL.

It saves 50 per cent. over the ordinary method of administration. The saving of ether will pay for it in a short time.

CHEAP.

It costs less than any other etherizer now in the market.

CONVENIENT

It is small, light and always ready for use. The most inexperienced can use it with perfect safety.

In fact when once used no Physician or Dentist will be without one. It gives perfect satisfaction every time. One Physician writes, "I formerly used from four to twelve ounces of ether to produce Anæsthesia where now with 'ADAMS' ETHERIZER' a 4 oz. can of Squibbs' Ether answers for from two to four persons."

PACKED IN A NEAT BOX AND SENT BY MAIL OR EXPRESS FOR \$5.00 EACH.

WITH ATTACHMENT FOR ADMINISTERING NITROUS OXIDE, \$6.00.

If sent by mail, 15c. additional for Postage.

Send money by Post Office Money Order or Registered Letter.

Address all orders to

A. W. BROWNING,

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SPRINGFIELD, MASS.



SURGICAL REQUIREMENTS—ANÆSTHETIZING.

JUNKER'S INHALER.

This apparatus consists of a cone-shaped shield, covering the mouth and nose, and provided with a respiratory valve, so arranged as to be under the control of the anæsthetizer, who may open or close it at will. This shield, where it rests against the face, is covered by a hollow rubber, disk-shaped, to fit the contour of the face, and provided with a rubber inlet tube, so that it may be filled with air as often as necessary. This mouthpiece is connected, by means of a rubber tube, with a bottle holding about two ounces, containing the chloroform. This bottle is covered with leather, and is graduated in ounces and drachms, and provided with a slot cut in the

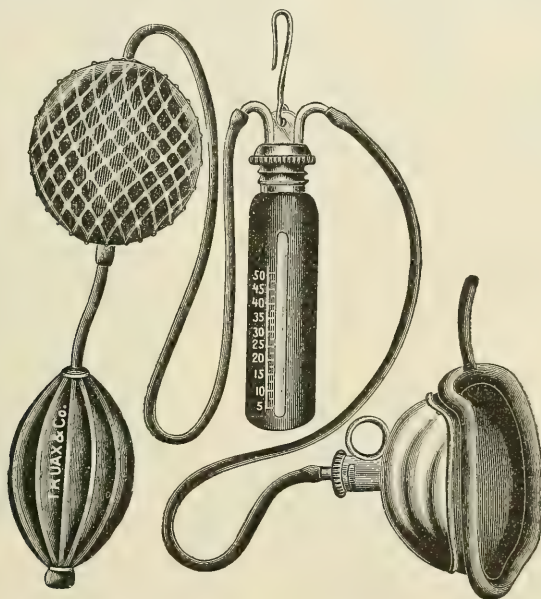


Fig. 1219. Junker's Chloroform Inhaler, \$9.00. See page 754

leather cover, so that the quantity of chloroform remaining in the bottle may be ascertained at any time. The bottle is provided with an air-tight stopper, through which pass two tubes—an inlet and outlet; the latter is short, extending only a short distance below the under surface of the stopper, and is the one connecting with the face shield just described. The inlet tube is the longer of the two, extending to the bottom of the bottle, and is connected with a double bulb. A hook attached to the top of the bottle enables the administrator to fasten it to the button-hole of his coat or vest, thus enabling him to manipulate the bulb with one hand, while he holds the face shield with the other.

It will thus be seen that, by pressing the bulb, air is forced through the tube into the chloroform, whence it escapes (impregnated with vapor), passing out through the short tube into the face shield, where it is inhaled. The amount of chloroform incorporated with the air has been carefully ascertained by a series of experiments, and varies with the quantity of chloroform contained in the bottle. Thus, assuming the cubic contents of the compressing bulb to be about four and one-quarter cubic inches, if eight drachms of chloroform be placed in the bottle, 100 compressions of the bulb will evaporate about 120 minims of the chloroform, thus diluting the chloroform, as it issues into the face shield, about 1 to 1,000. If only one-half this quantity



SURGICAL REQUIREMENTS—ANÆSTHETIZING.

JUNKER'S INHALER.

of chloroform be used, only about 90 minims will be evaporated; while if but two drachms are employed, the evaporation falls to about 50 minims, giving a dilution of about 1 to 2,400.

It must be remembered in this connection that this is the dilution as it passes from the bottle, that which is inhaled being from four to six times weaker than this.

The advantages of this apparatus are many, among the more important of which are:

1. Its great economy—one to six drachms of chloroform answering for all ordinary operations, thus saving 50 to 75 per cent. of the cost of the anæsthetic.

2. There is no external evaporation and consequently no waste, the flow of vapor ceasing with the action of the bulb. (This annoyance to operators and assistants will be appreciated.)

3. A regular and uniform dilution is obtained. If each compression of the bulb be timed to correspond with every inspiration, each inhalation will contain an amount of vapor equal to the cubic contents of the bulb (about four and one-fourth inches) diluted in a sufficient quantity of fresh air (20 to 30 inches, admitted through the inlet valve of the face shield) necessary to fill the lungs.

4. The administrator has complete control over the supply, the quantity administered with each inspiration depending on the amount of fluid in the bottle, and the extent of the pressure on the bulb.

5. Greater safety. The chloroform being largely and evenly diluted, a minimum risk is incurred, and the dangers of over-rapid narcotism largely avoided.

6. The total amount of the chloroform administered during the operation may be ascertained to a minim.—CHARLES TRUAX, *North American Practitioner*, Aug., 1889.

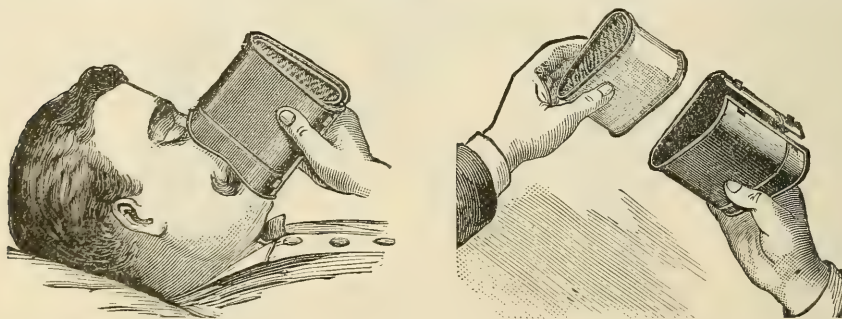


Fig. 1222. Allis' Aseptible Ether Inhaler, all metal, \$2.50. See page 754.



Fig. 1223. Allis' Ether Inhaler, rubber covered, \$2.25. See page 754.

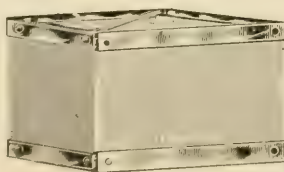


Fig. 1224. Allis' Folding Ether Inhaler (Fowler's modification), \$2.50. See page 754.

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SURGICAL REQUIREMENTS — ANÆSTHETIZING.

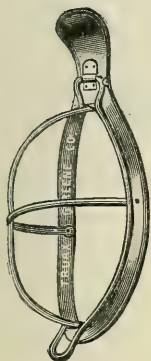


Fig. 1229. Schimmelbusch's Folding Chloroform Inhaler, all metal, \$2.50. See page 754.

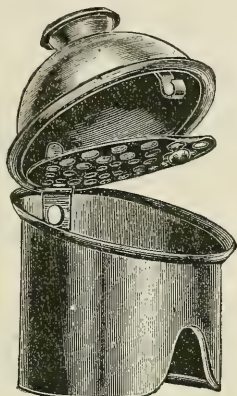


Fig. 1230. Perfection Ether Inhaler, all metal, \$2.50. See page 754.

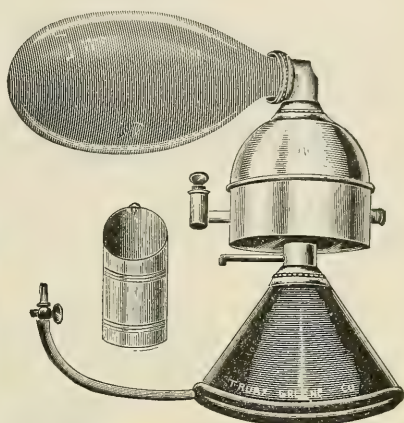


Fig. 1231. Clover's Ether Inhaler, London Pattern, \$15.00. See page 754.

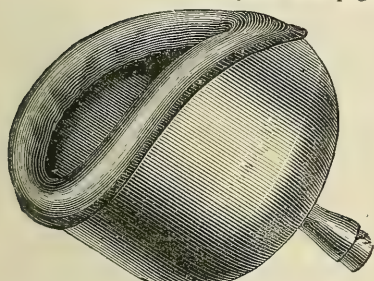


Fig. 1232. Lente's Ether Inhaler, \$1.50. See page 754.

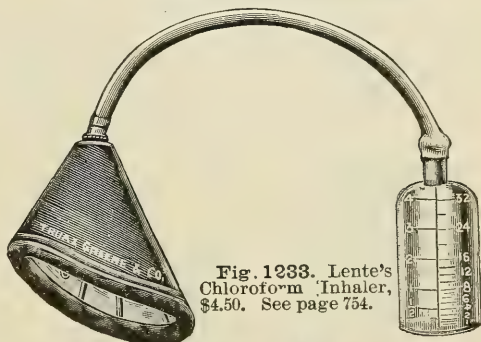


Fig. 1233. Lente's Chloroform Inhaler, \$4.50. See page 754.



Fig. 1234. Esmarch's Chloroform Inhaler, \$1.25. See page 754.

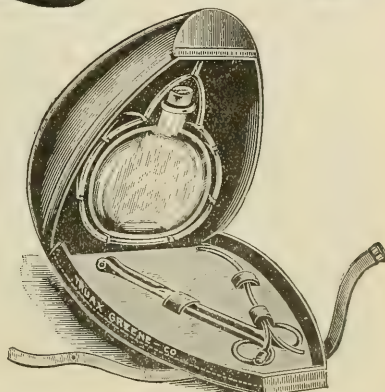


Fig. 1235. Esmarch's Chloroform Inhaler, with tongue forcep, in leather case, \$5.00. See page 754.



SURGICAL REQUIREMENTS.

JOINTED INSTRUMENT RACK.

The jointed instrument rack, shown by the following illustrations, is a pattern that has been designed in Germany, and is one that will be found of service to all who operate away from their hospitals and offices.



Metal Instrument Rack, Folded up for Transportation.

With the aid of this device, surgical instruments with cutting edges may be carefully protected from injury, either from contact with each other or by the edges striking the tables, cloths, etc.

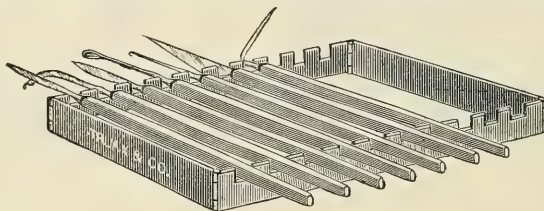


Fig. 1240. Metal Instrument Rack, Holding Instruments for Operation. For prices, see page 755

When folded for transportation, it may be placed in a case with instruments, in the pocket or instrument bag. When opened for use it assumes an oblong shape, in which form it may be used to contain the instruments about to be used in the approaching operation, and as it is made of metal, and quite shallow, it may rest in a tray of antiseptic solution.

They can be purchased of sizes varying from that necessary to hold three or four eye instruments to one large enough to hold all the cutting instruments necessary in a major amputation.—*North American Practitioner*, July, '89.

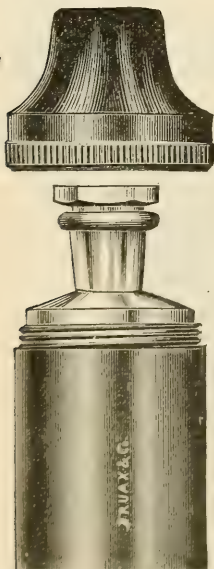


Fig. 1241. Papier Mache Covered Bottles, 50c to 90c. See page 754.



Fig. 1242. Metal covered bottles. For prices see page 754.



Fig. 1243. Philadelphia Ether bottle, 60c. See page 754.

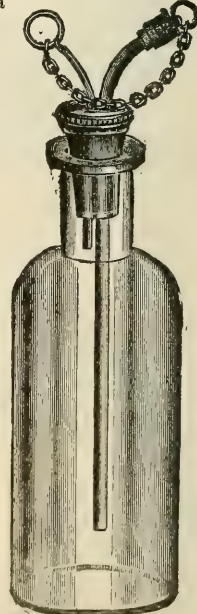


Fig. 1244. Robert's Ether bottle, \$1.00. See page 754.



SURGICAL REQUIREMENTS — SUTURING.

TRUAX IMPROVED NEEDLE HOLDER.

While the ordinary needle holders in the market answer every purpose when used with straight or half curved needles, it is a matter of common complaint that they are defective when used to facilitate the introduction of full curved needles, or for grasping a partially curved needle at any point along its curved portion. This defect in construction I believe to be due to the fact that one or both of the jaws or grasping surfaces of most, if not all, of the needle holders in common use are either flat or convex, so that the force necessarily employed to firmly hold a needle tends to straighten it, and as all needles are highly tempered, they frequently break under the pressure exerted upon the handles. The writer recently selected twenty-five full curved needles of good quality and of various sizes, and subjected each to the pressure of an ordinary Russian needle holder, grasping each one in two different places, one near the eye and the other near the point. The result was that seven were broken, although no more force was employed than was thought necessary to hold the needles firmly enough for ordinary suturing.

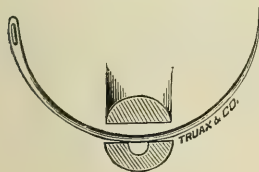


Fig. 1

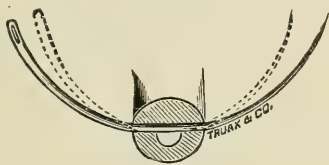


Fig. 2.

Sectional views for illustration only.

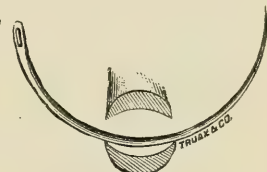


Fig. 3.

Believing this seeming defect might be overcome, a series of experiments was instituted, resulting in the construction of a needle holder that, under the same conditions and circumstances as above mentioned, failed to break even one of a fresh lot of twenty-five assorted, full curved needles.

Needle holders with flat, convex and concave jaws of different patterns and in various combinations were manufactured, but not until two concave jaws facing each other, and both with thin rims or narrow grasping surfaces, was the objection overcome. A needle grasped between two convex surfaces would admit of any amount of pressure with safety, but there was nothing in the shape of the jaw to prevent its easily turning to one side. Both of these objections were successfully met in the model here described.

Fig. 1 shows the relations of an ordinary needle holder and curved needle; Fig. 2 shows the action of the holder, and explains why curved needles are frequently broken; Fig. 3 shows my improved design. The needle being in contact with the holder at two points, is firmly held from being turned to either side, while the cavity of the lower jaw accommodates the curve of the needle, so there is no danger of its being broken. Both jaws being alike, the holder may be used right or left. As many operators occasionally use a needle that penetrates in a line with the axis of the handle or on a line parallel with it, I have further improved the shape of the jaws by curving them on the flat, thus allowing the use of either a straight or a full curved needle that points in the same direction as the holder. This improved form of a needle holding jaw may be applied to most any of the forms of handle in common use. Fig. 1248 shows an improved form of the finger needle holder with this



SURGICAL REQUIREMENTS—SUTURING.

new modification. The latter as now constructed is a desirable pattern for superficial work. The needle may be firmly held, and as it is in close proximity to the hand, the sense of touch is quickened, and much lost motion obviated.—CHAS. TRUAX, *North American Practitioner*, February, 1890.

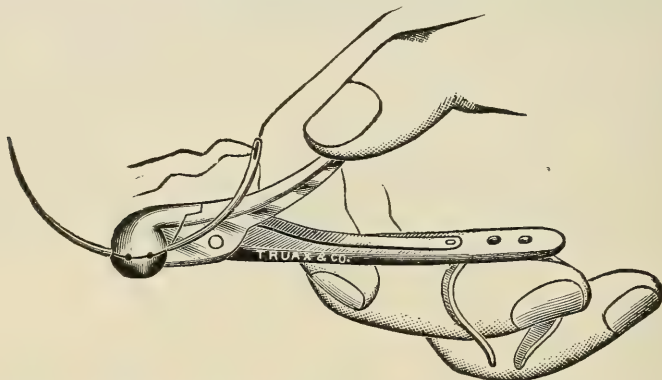


Fig. 1248. Truax Finger Needle Holder, \$2.00. See page 759.

The needle, as shown here, is grasped by the holder near its center, the better to show it pointing on a line parallel with the holder.

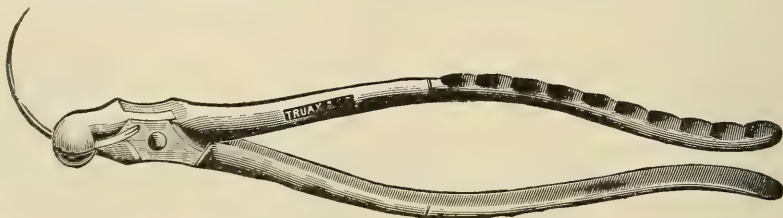


Fig. 1249. Truax Plain Aseptic Needle Holder, \$2.50. See page 759.

This instrument possesses all the valuable qualities of the one above described, and as shown here is adapted for gynecological and such other uses as require a long needle holder. The handles are the same as those in use by dentists, this form being the most convenient for general use.



Fig. 1250. Truax Modification of Emmet's Needle Holder, Aseptic, \$2.50. See page 759.

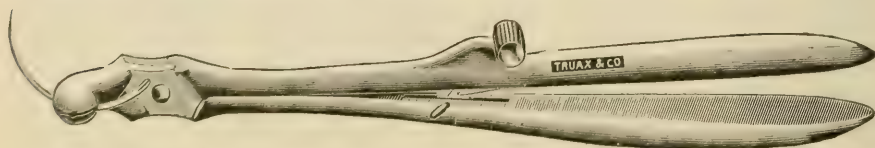


Fig. 1251. Truax Modification of the Russian Needle Holder, Aseptic, \$2.50. See page 759.

SURGICAL REQUIREMENTS—SUTURING:

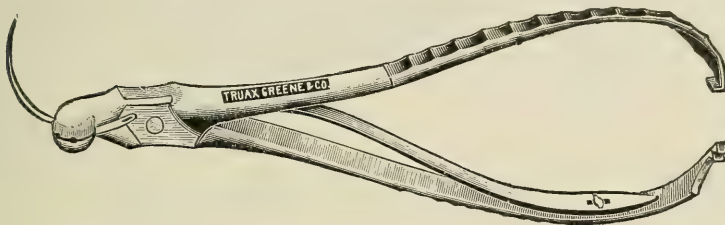


Fig. 1252. J. H. Ethridge's Automatic Needle Holder, aseptic, \$3.00. See page 758.

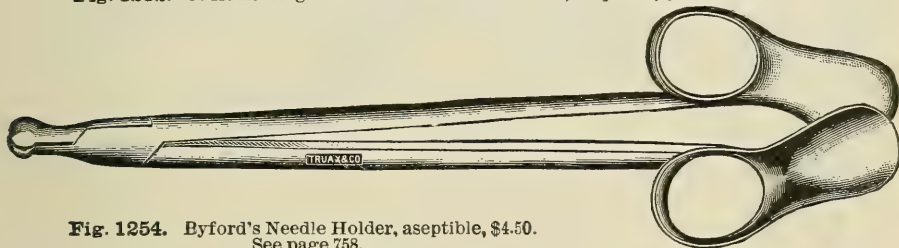


Fig. 1254. Byford's Needle Holder, aseptic, \$4.50.
See page 758.

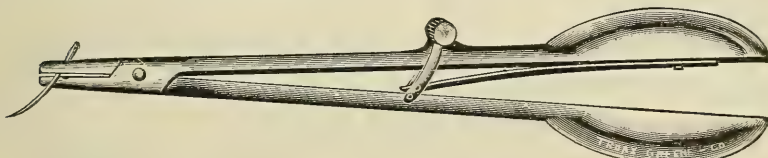


Fig. 1255. Improved Russian Needle Holder, aseptic, \$2.50. See page 758.

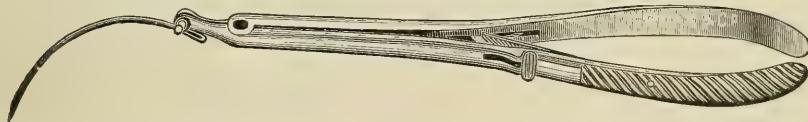


Fig. 1256. Fritsch's Needle Holder, \$3.00. See page 758.

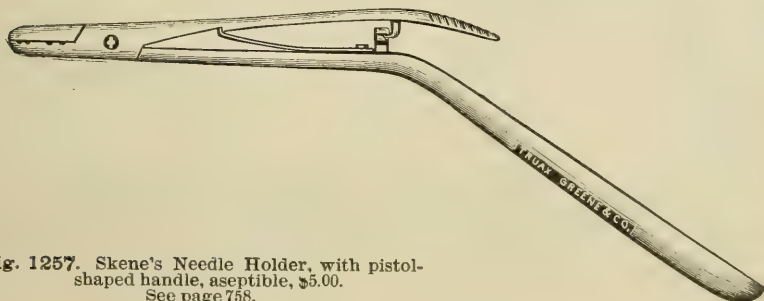


Fig. 1257. Skene's Needle Holder, with pistol-shaped handle, aseptic, \$5.00.
See page 758.



SURGICAL REQUIREMENTS—SUTURING.

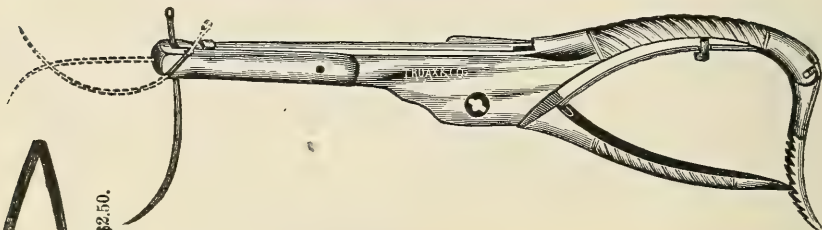


Fig. 1261. Hagedorn's large Needle Holder, all joints separable, will hold a needle in any position, aseptic, \$5.00. See page 758.



Fig. 1267. Prout's Needle Holder, Aseptic, \$2.50. See page 759.

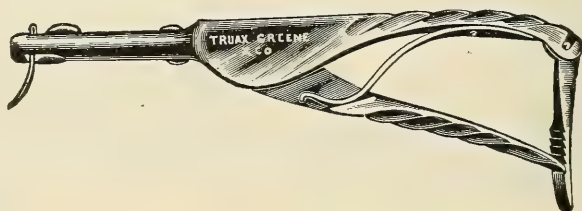


Fig. 1262. Hagedorn's small Needle Holder, all parts separable, aseptic, \$4.50. See page 758.

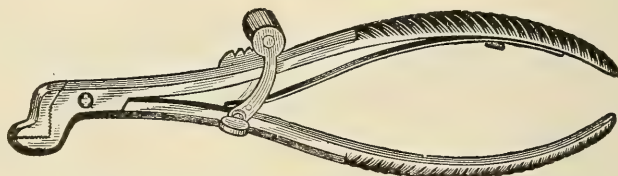


Fig. 1263. Lentz Improved aseptic Needle Holder, for flat or round Needles, \$4.00. See page 759.



Fig. 1266. Sand's Needle Holder, \$3.00. See page 759.

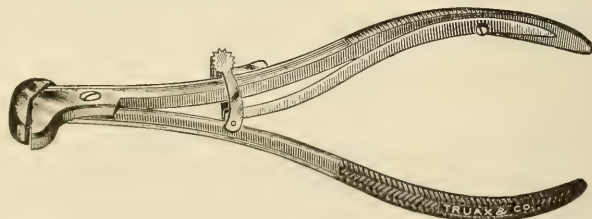


Fig. 1264. Fowler's Improved Needle Holder for flat needles, \$2.75. See page 758.

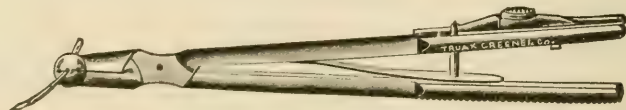


Fig. 1265. Truax's Pocket Case Needle Holder, with patent jaw, aseptic, \$2.50. See page 759.



SURGICAL REQUIREMENTS—SUTURING.

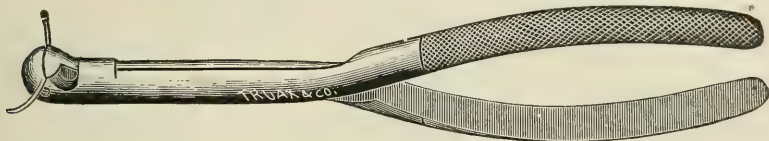


Fig. 1271. Pratt's Hagedorn's Needle Holder, for flat needles, aseptic, \$3.00. See page 759.



Fig. 1272. Parker's Needle Holder, \$1.25. See page 759.

For using needles with eyes in the point, this is one of the best holders made, as it holds a needle as firmly as if it and the handle were one piece.

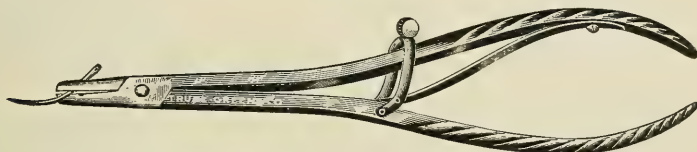


Fig. 1273. Reiner's aseptic needle holder, \$2.50. See page 759.

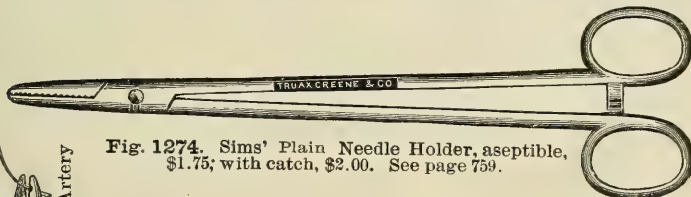


Fig. 1274. Sims' Plain Needle Holder, aseptic, \$1.75; with catch, \$2.00. See page 759.



Fig. 1275. Skeene's Double Needle Holder, \$4.00. See page 759.

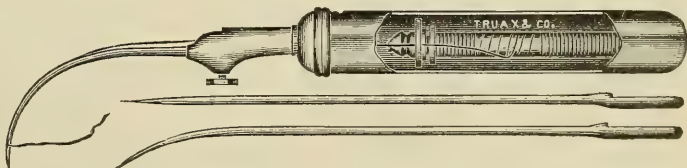


Fig. 1276. Goz' Needle Holder, with reel and 3 needles, \$4.00. See page 759.

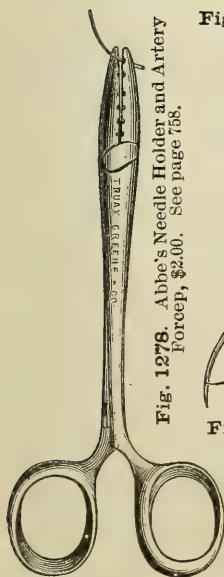


Fig. 1278. Abbe's Needle Holder and Artery Forcep, \$2.00. See page 758.

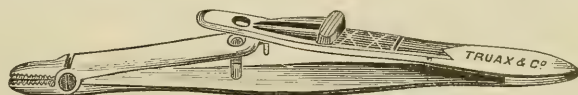


Fig. 1277. Whitney's Needle Holder, \$3.25. See page 759.



SURGICAL REQUIREMENTS—SUTURING.

These illustrations show full sizes, see page 759.

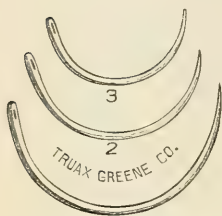


Fig. 1284. Fistula Needles
doz. \$1.00. Differing from ordi-
nary needles only in curve.



Fig. 1285. Mouth Needles,
doz. \$1.00

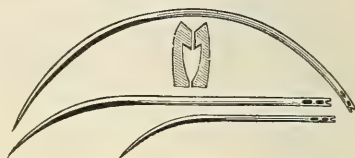


Fig. 1287. Surgeon's Needles, self-
threading, Spring Eye, doz. \$1.00

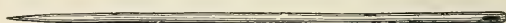


Fig. 1286. Thomas' Perineum Needles, doz. 75c.

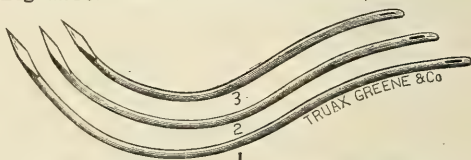


Fig. 1288. Goodell's Perineum Needles, doz. \$1.25.
Round shaft with spear point.



Fig. 1289. Sims' Perineum Needles. Doz.
\$1.00. Round shaft and triangular point.

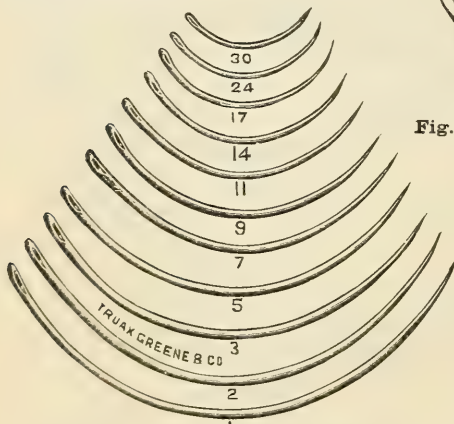


Fig. 1290. Full Curved Surgeon's Needles.
Doz. 50c.



Fig. 1291. Double Curved Surgeon's Needles.
Doz. 75c.

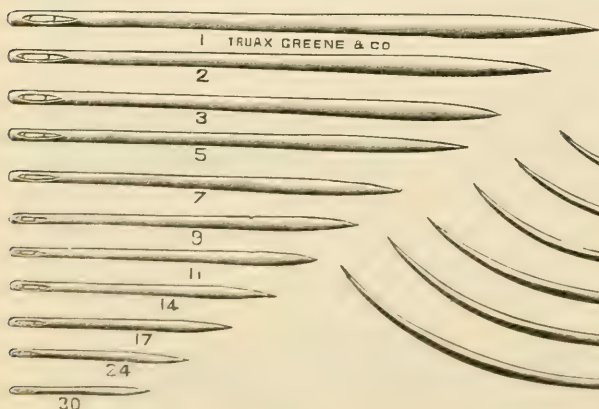


Fig. 1292. Straight Surgeon's Needles.
Doz. 50c.

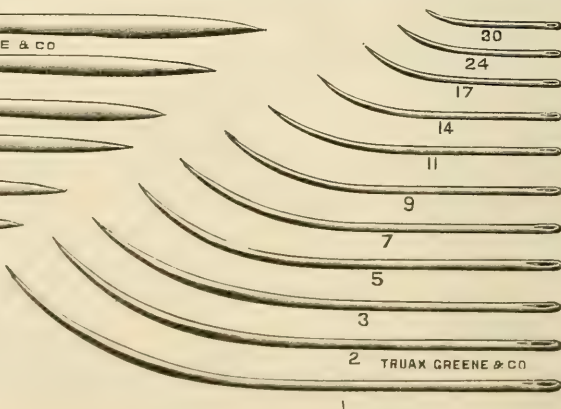


Fig. 1293. Half-curved Surgeon's Needles.
Doz. 50c.

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SURGICAL REQUIREMENTS—SUTURING.

These Illustrations show full sizes. See page 759.



Fig. 1294. Sims' Cervical Needles, doz., 75c. Round shaft and lance point.

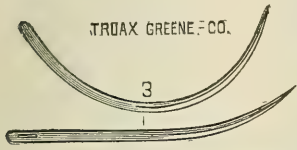


Fig. 1296. Schnetter's Needles, doz., \$1.00. Flat shaft and long tapering triangular point.

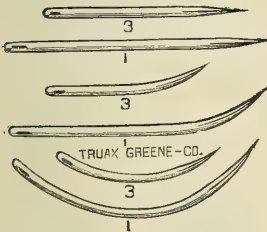


Fig. 1300. Emmet's Trocar Point Needles, doz., 75c. Round shaft and Trocar point.



Fig. 1295. Sims' Fistula Needles, doz., 75c. Round shaft and triangular point.

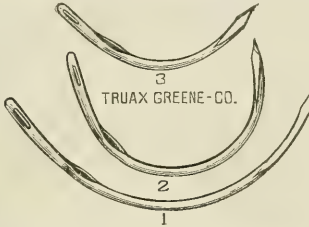


Fig. 1297. Pratt's Perineum Needles, doz., \$1.00. Round shaft and lance point with flattened space for needle holder.

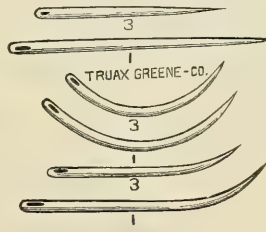


Fig. 1301. Emmet's Round Needles, doz., 75c.

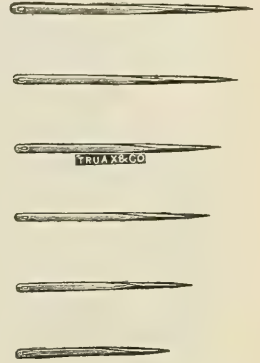


Fig. 1298. Skene's Cervical Needles, doz., \$1.00. Round shaft and triangular point.

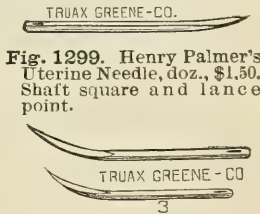


Fig. 1299. Henry Palmer's Uterine Needle, doz., \$1.50. Shaft square and lance point.



Fig. 1302. Emmet's Lance Point Needles, doz., 75c. Shaft round and lance point.

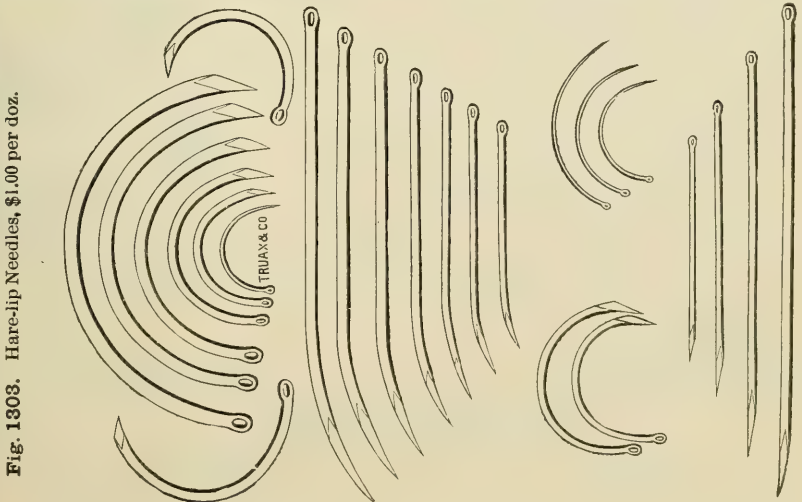
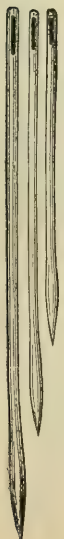


Fig. 1304. Hagedorn's Needles, doz., 75c. See page 759. Two dozen on card as shown in this figure, \$1.50. See page 759.

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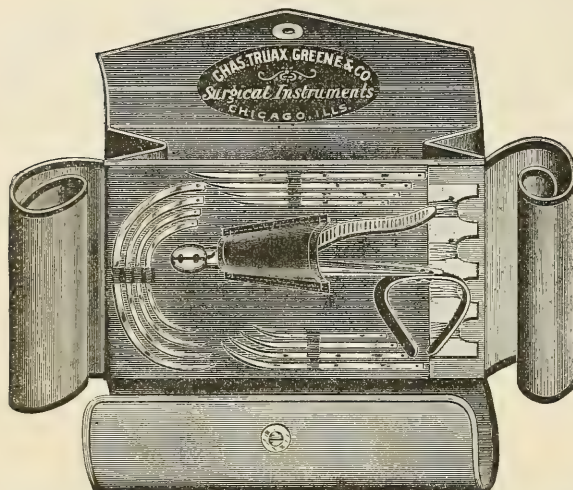


Fig. 1311. Truax, Greene & Co.'s Pocket Needle Case, containing 1 Truax Needle Holder and 2 doz. Hagedorn's Needles, \$3.50. The same Case with ordinary needles, \$3.00.



Fig. 1314. Stone's Canulated Needle, \$1.00. See page 760.

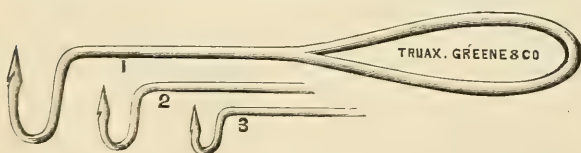


Fig. 1316. Mooij's Fistula Needles, 3 sizes, each \$1.00. See p. 760.

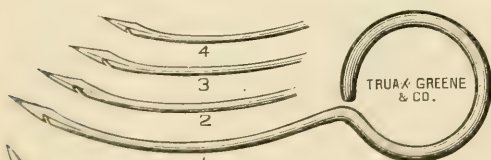


Fig. 1317. Mooij's Perineum Needles, 4 sizes, each 60c. See page 760.

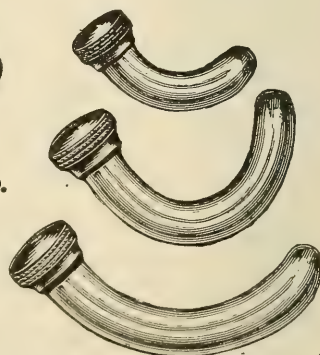


Fig. 1319. Berlin Needle Bottles, 3 sizes, straight or curved, each 35c. See page 761.



Fig. 1312. Crescent Needle Bottle, 3 sizes, each 25c. See page 761.

These Needle bottles will be found useful, as needles either straight or curved may be kept in them indefinitely, by simply placing a few drops of fine quality oil in the bottle with them.

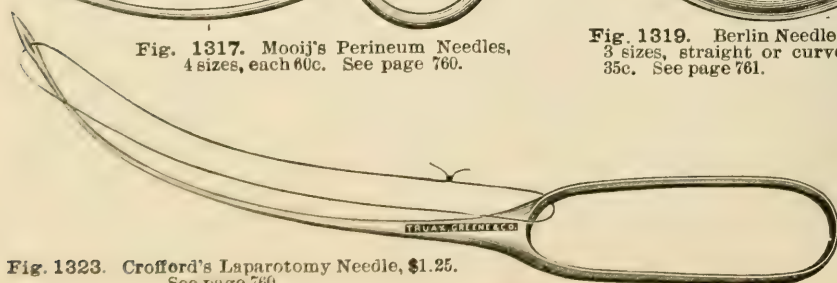


Fig. 1323. Crofford's Laparotomy Needle, \$1.25. See page 760.

SURGICAL REQUIREMENTS—SUTURING.

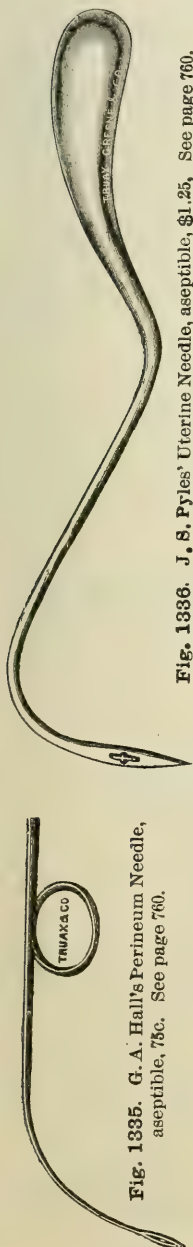


Fig. 1335. G. A. Hall's Perineum Needle, aseptic, 75c. See page 760.

Fig. 1336. J. S. Pyles' Uterine Needle, aseptic, \$1.25. See page 760.



Fig. 1324. Hall's Laparotomy Needle, aseptic, \$1.00. See page 760.



Fig. 1329. Hall's Laparotomy Needle, open eyes, Hagedorn point, aseptic, \$1.25. See page 760.



Fig. 1330. Nelson's Full Curved Pedicle Needle, aseptic, \$1.25. See page 760.

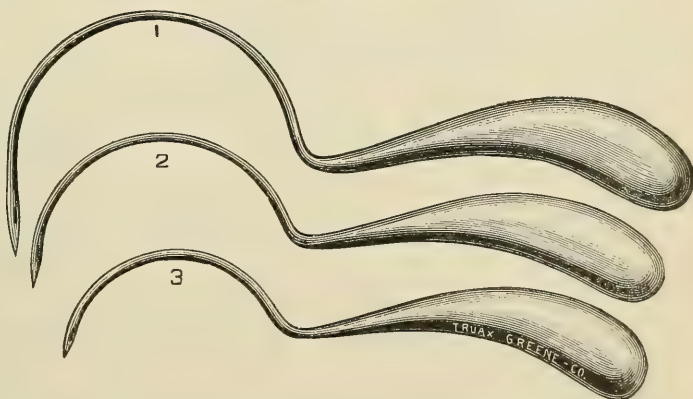


Fig. 1333. Pean's Full Curved Needles, aseptic, 3 sizes, each \$1.25. See page 760.



Fig. 1334. Nelson's Double Curved Pedicle Needle, aseptic, \$1.25. See page 760.

SURGICAL REQUIREMENTS — SUTURING.

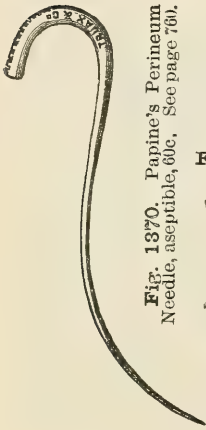


Fig. 1370. Papine's Perineum Needle, aseptic, 60c. See page 760.



Fig. 1343. J. T. Binckley's Removable Point Perineum Needle, aseptic, \$2.50. See page 760.



Fig. 1344. J. T. Binckley's Split Eye Perineum Needle, aseptic, \$1.75. See page 760.



Fig. 1345. Ashton's Perineum Needle, aseptic, \$1.00. See page 760.

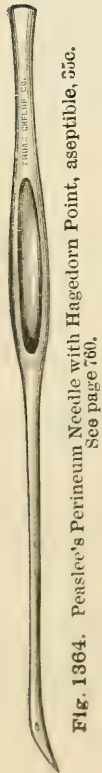


Fig. 1364. Peaslee's Perineum Needle with Hagedorn Point, aseptic, 55c. See page 760.



Fig. 1354. Whitehead's Helical Needle, aseptic, \$1.25. See page 760.

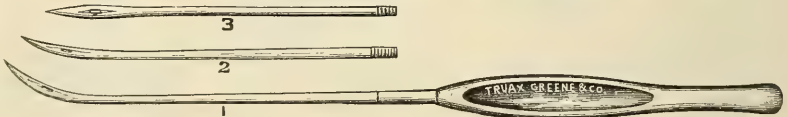


Fig. 1355. Peaslee's Set Perineum Needles, aseptic, \$2.25. See page 760.



Fig. 1356. Skene's Straight Perineum Needle, aseptic, \$1.00. See page 760.



Fig. 1357. Plain Perineum Needle, aseptic, \$1.00. See page 760.



Fig. 1362. Reverdin's Closing Eye Needle, Folding Handle, \$3.25. See page 760.



Fig. 1363. Straight Reverdin's Needle, \$2.50. See page 760.

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Fig. 1406. Pratt's Reverdin's Needle, with Closing Eye, \$2.75. See page 760.



Fig. 1381. Von Brun's Canulated Needles, set of 2 in case, \$3.00; 3 in case, \$3.75. See page 760.

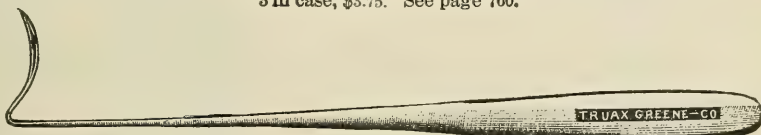


Fig. 1382. Green's Long Curve Needle, Right and Left, aseptic, \$1.25. See page 760.



Fig. 1383. Wilson's Right and Left Needle, aseptic, \$1.25. See page 760.

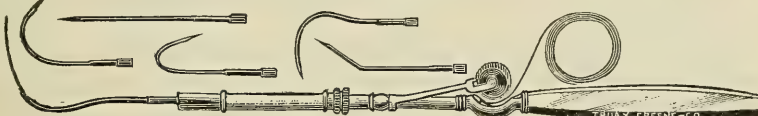


Fig. 1384. Collins' Set Canulated Needles, in case, \$13.00. See page 759.

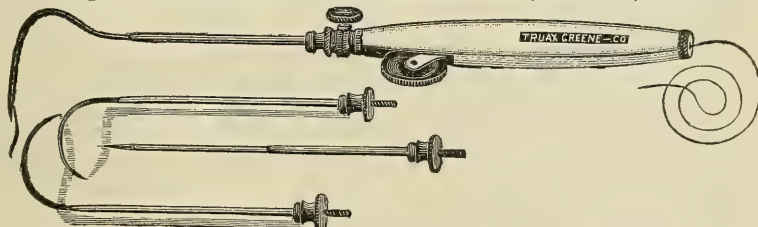


Fig. 1393. Pease's Canulated Needles, set, \$8.00. See page 759.

Fig. 1394. Wilson's Perineum Needle, aseptic, \$1.00. See page 760.

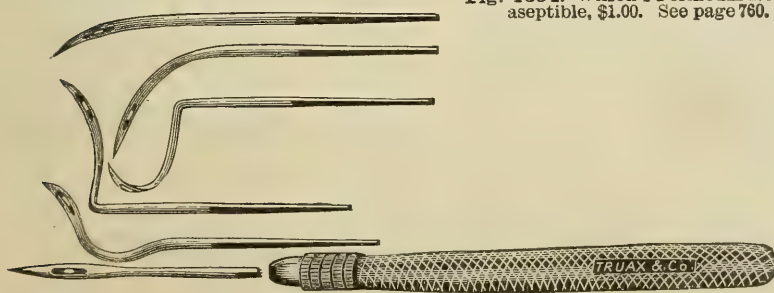
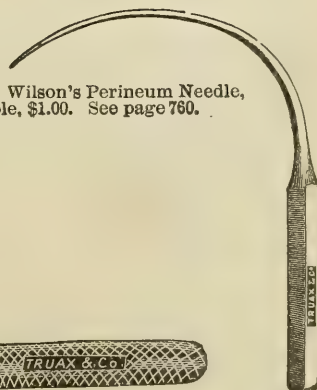


Fig. 1396. Truax' Set of Uterine Needles, Straight, Helical, Right and Left, Half-curved and Full-curved, with Handle, in neat case, \$4.00. See page 760.

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Fig. 1407. Emmet's Twisting Forcep, aseptic, \$2.25. See page 763.

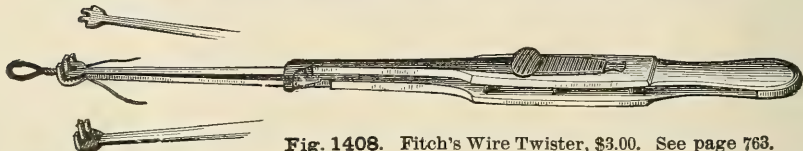


Fig. 1408. Fitch's Wire Twister, \$3.00. See page 763.



Fig. 1416. Gatchell's Buttons. Doz., 40c.



Fig. 1417. Perforated Shot. Per 100, 50c.



Fig. 1409. Nott's Wire Twisting Forcep, aseptic, \$2.25. See page 763.



Fig. 1418. Tucker's Wire Cutter, \$3.50. See page 763.



Fig. 1432. Powell's Suture Buttons. Doz., \$1.25.

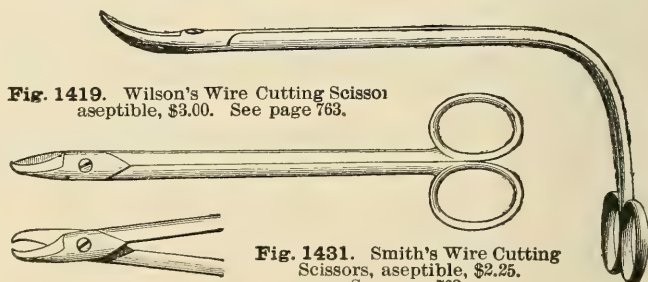


Fig. 1419. Wilson's Wire Cutting Scissors, aseptic, \$3.00. See page 763.



Fig. 1431. Smith's Wire Cutting Scissors, aseptic, \$2.25. See page 763.



Fig. 1437. Classen's Wire Twister, \$3.00. See page 763.



Fig. 1433. Plain Wire Twister, aseptic, \$1.00. See page 763.

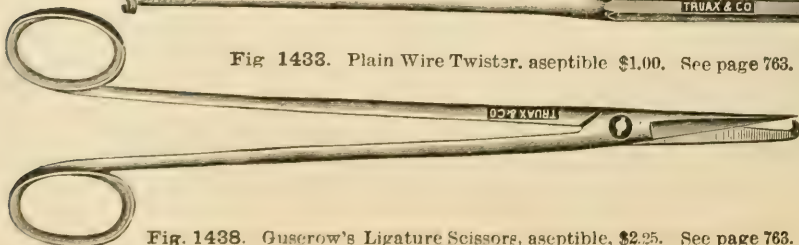


Fig. 1438. Guserow's Ligature Scissors, aseptic, \$2.25. See page 763.

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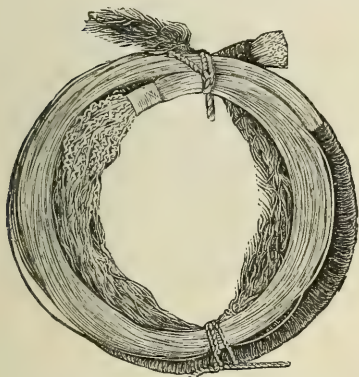


Fig. 1442. Silk Worm Gut, 100 strings in coil, per coil 75c. See page 762.

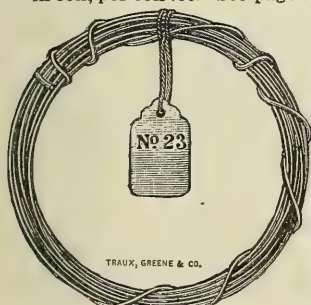


Fig. 1443. Silver wire. See page 763.

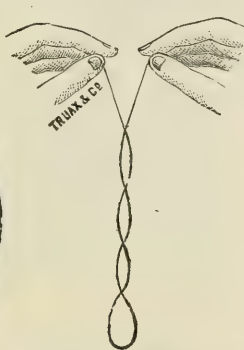


Fig. 1446. Twisted Silk.

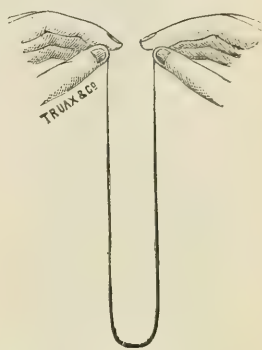


Fig. 1447. Braided Silk.

Braided silk for sutures and ligatures, four sizes on a card, 45c; iron dyed, 50c. The advantages of braided silk for surgical use will be readily seen and appreciated by those who have used ordinary twisted silk. It does not kink, twist or curl, and is as easily manipulated as silver wire. It is also free from dressing and impure coloring matter. For sizes and prices, see page 761.



Fig. 1448. Braided Silk, assorted sizes, on tablet, in slip case, 45c iron dyed 50c. See page 761.

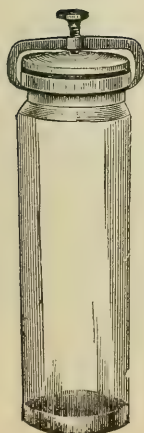


Fig. 1464. Jars for Anatomical specimens, sponges, etc. See page 755.



Fig. 1463. Best Ligature Reel, 4 spools, \$1.00. See p. 755.



Fig. 1462. Ligature Reel, 3 spools, 75c. See page 755.

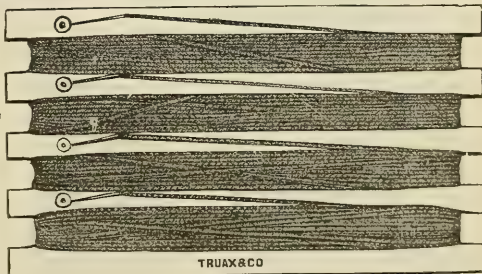


Fig. 1449. Twisted Silk, best quality, assorted sizes on tablets, in slip cases, 25c. See page 762.



Fig. 1451. Ligature Reel, 2 spools, 50c. See page 755.

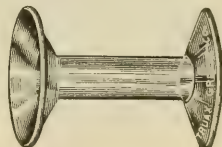


Fig. 1461. Glass spools for silk, 3 sizes, each 05c. to 15c.

See page 755.

SURGICAL REQUIREMENTS.—SUTURING.

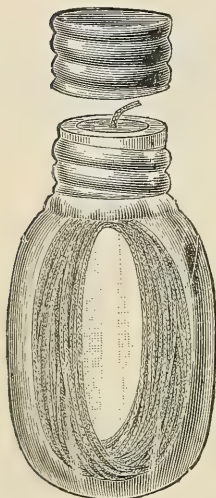


Fig. 1468. Aseptic Ligatures
1 size in bottle, 20c. See p. 762.

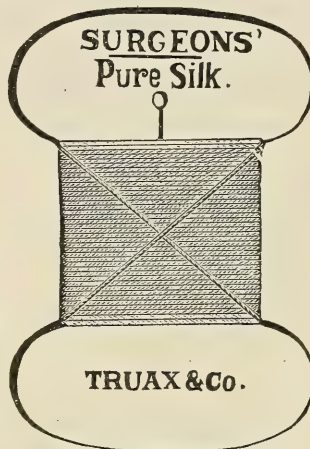


Fig. 1469. Surgeons' Silk, Nos.
1 to 14. For cut of sizes, see
page 761.

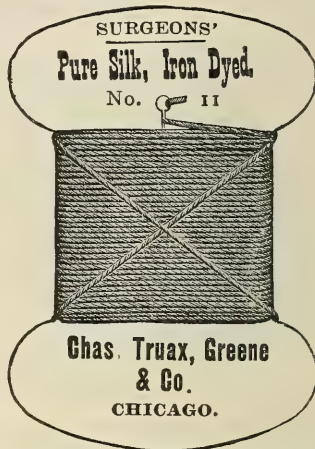


Fig. 1471. Iron-Dyed Surgeon
Silk, Nos. 1 to 14. For cut of
sizes. See page 761.



Fig. 1473. Cable Twist Silk, Braided Skein, sizes, 4, 8, 11
and 13, 30c. See page 761.

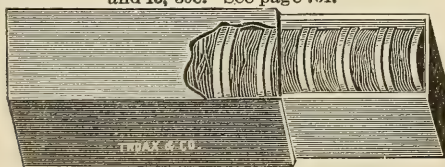


Fig. 1476. Silver Wire, 1 yard on spool, 6 spools in
box, \$1.20. See page 763.

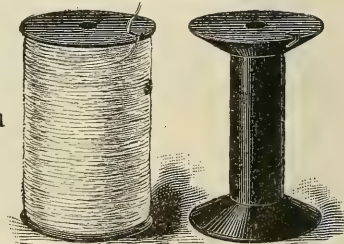


Fig. 1475. Silk Braided or Twisted
in bulk. See pages 761 and 762.



Fig. 1480. Dental Floss.
See page 762

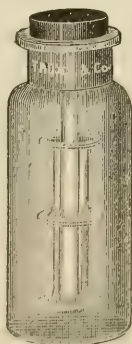


Fig. 1482. Ligature bottle,
with two upright reels.
75c. See page 755.

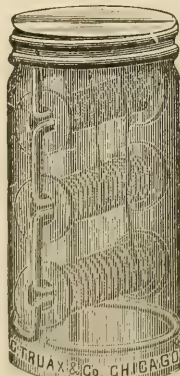
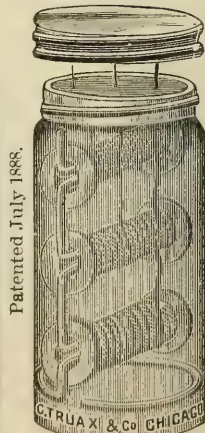


Fig. 1483. Aseptic Silk and Catgut.
See pages 761 to 762.



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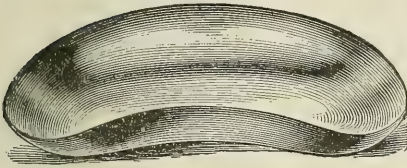


Fig. 1487. Pus Basin—agate, granite, glass, rubber, metal, or papier mache. See p. 756.

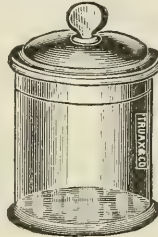


Fig. 1488. Ligature Bottles. See p. 755.

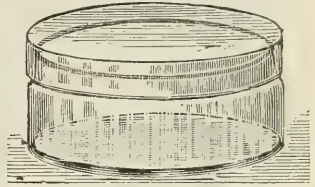


Fig. 1489. Glass Boxes for pins, etc. See page 755.

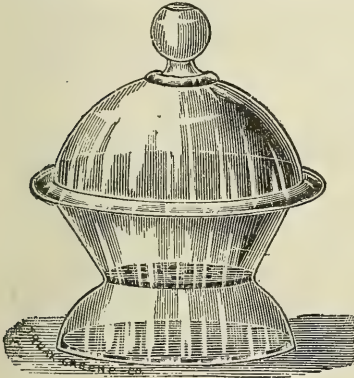


Fig. 1495. Large Sponge Jars with perforated plate bottom, \$9.00. See p. 756.

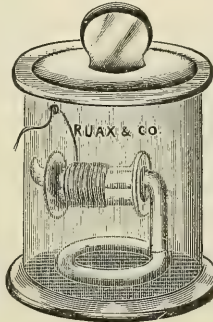


Fig. 1496. Ligature Bottle with large reel, 75c. See page 755.

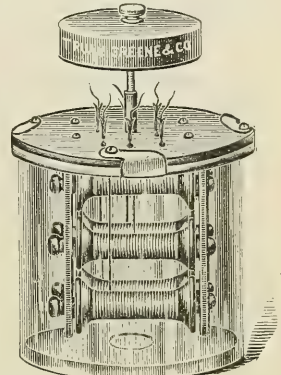


Fig. 1497. Vienna Ligature Bottle, 6 glass reels, with hard rubber cover, \$5.00. See p. 755.

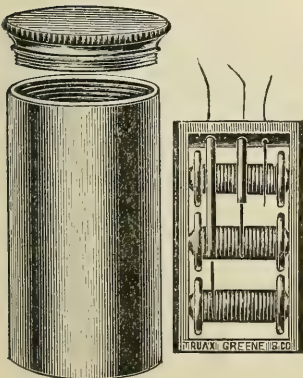


Fig. 1498. Sylvester's Ligature Bottle, hard rubber, \$1.75. See p. 755.



Fig. 1499. Greene's Iodoform Box, 65c. See page 755.



Fig. 1500. Iodoform Box with revolving top, Berlin pattern, \$1.25. See p. 755.

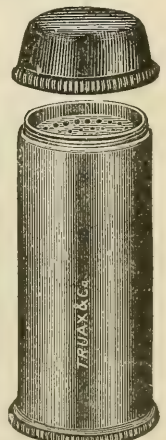


Fig. 1501. Hard Rubber Iodoform Box, 60c to \$1. See p. 755;

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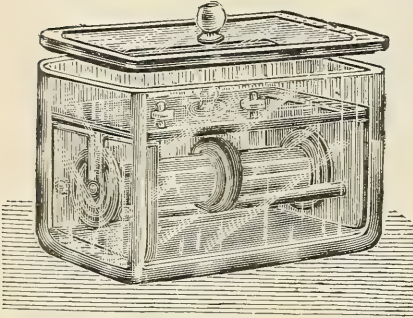


Fig. 1514 All glass Ligature box, 2 large spools, \$3.75. See page 755.

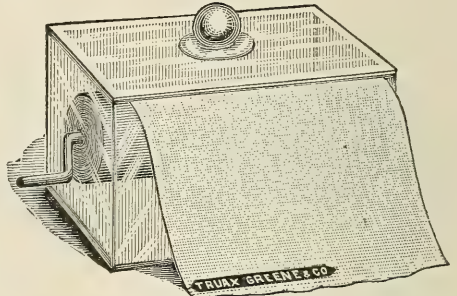


Fig. 1515 Iodoform gauze box, all glass, \$4.00. See page 755.

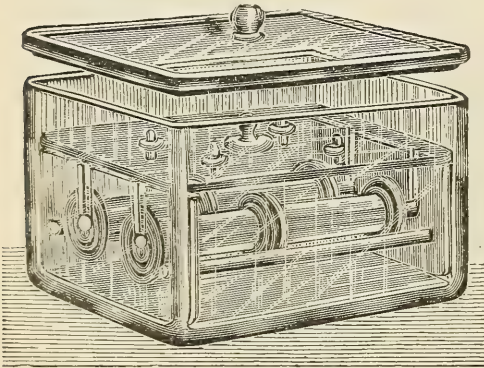


Fig. 1511 All glass Ligature box, 4 large spools, Hagedorn's model, \$6.00. See page 755.

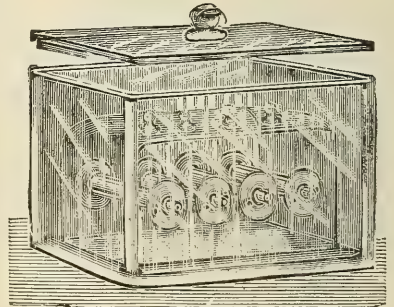


Fig. 1510 All glass Ligature box, 4 medium spools, \$4.50. See page 755.

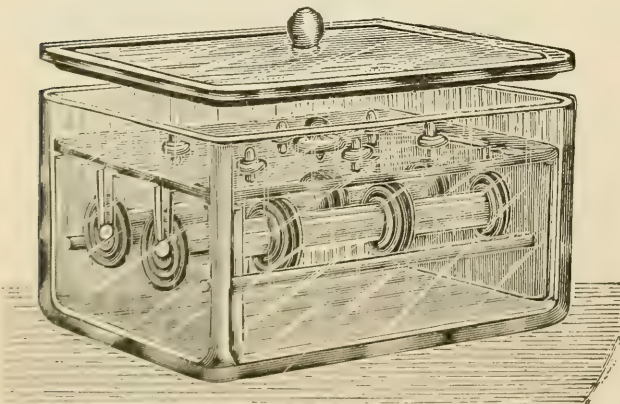


Fig. 1512. All glass Ligature box, hospital size, 6 large spools, \$9.50. See page 755.

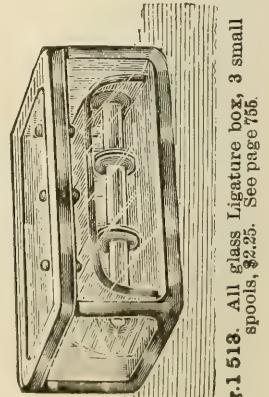


Fig. 1513. All glass Ligature box, 3 small spools, \$2.25. See page 755.

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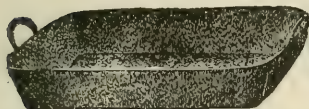


Fig. 1527. Agate Trays. See page 756.

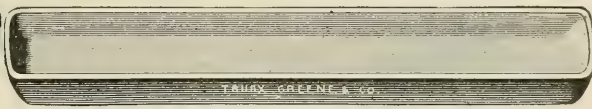


Fig. 1522. Porcelain Tray, \$2.65. See page 757



Fig. 1529. Hard Rubber and Papier Mache Trays. See page 757.



Fig. 1525. Papier Mache Tray, long pattern, 90c. See page 757.

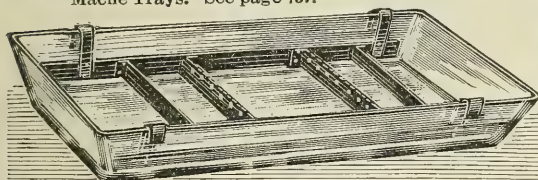


Fig. 1528. Glass Instrument Tray with metal racks, \$3.25 to \$5.00. See page 757.

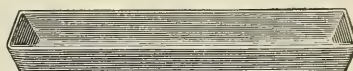


Fig. 1526. Papier Mache Tray, long pattern, 40c. See page 757.

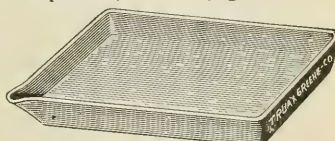


Fig. 1521. Porcelain Trays, 85c to \$4.90. See page 757.

Davidson Rubber Co.'s Surgical Aseptic Trays.

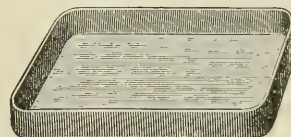


Fig. 1532. Soft Rubber Surgical Tray, 3 sizes, \$2.00 to \$3.35. See page 757.

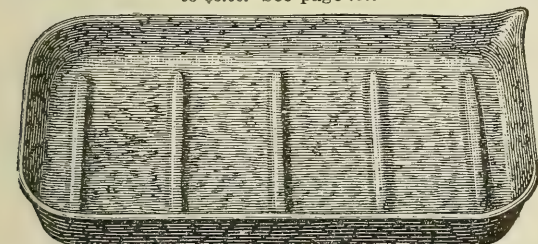


Fig. 1531. Agate Tray, Truax, Green & Co's model, \$2.50. See page 756.

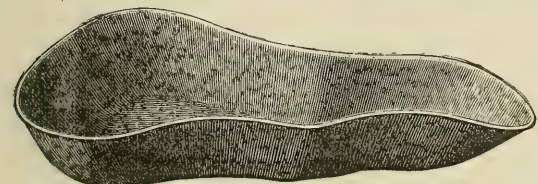


Fig. 1533. Smith's Pus Basin, \$1.50. See page 756. Made of sheet iron, pressed into shape and coated with a pure vitreous enamel, which, for tenacity and power of resisting the action of acids, has no equal. The surface is smooth and as easily cleaned as china, while the article is light and practically indestructible.

These Trays are especially adapted for the Surgeon's bag as they are made entirely of cloth, covered with soft rubber and can be folded up into a small space without any danger of cracking or breaking. They are made in 3 sizes, 8x10, 9x12 and 10x16.

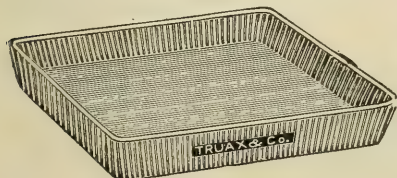


Fig. 1523. Glass Trays, 75c. to \$8.00. See page 757.

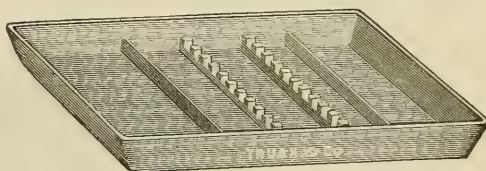


Fig. 1524. Porcelain Trays, \$2 to \$3. See page 757.

HAS TRUAX & CO. GREENE & CO.

SURGICAL REQUIREMENTS—IRRIGATING.

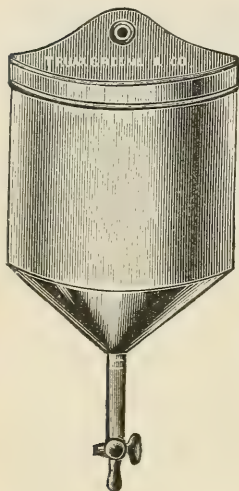


Fig. 1541. Soft rubber Irrigator, $\frac{1}{2}$ to 2 gallon. See page 758.

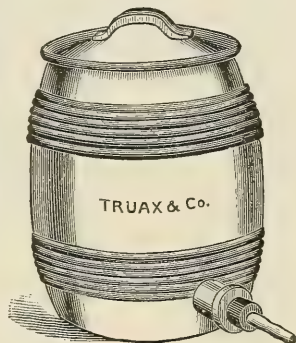


Fig. 1540. Irrigating Jars, barrel form, porcelain, 1 to 4 gallons. See page 758.

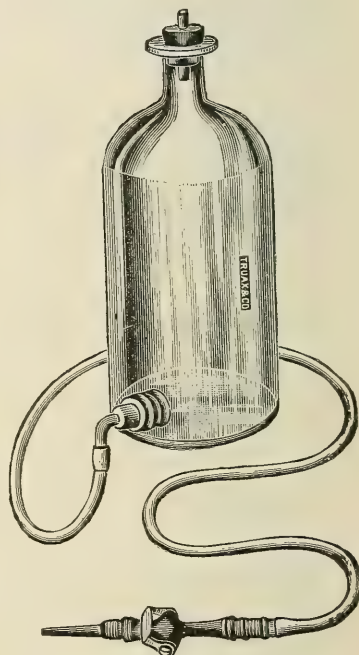


Fig. 1543. Irrigating Jars, $\frac{1}{2}$ gal. to 5 gal. See page 758.



Fig. 1545. Hospital Irrigating Jars, 1 to 3 quart. See page 758.

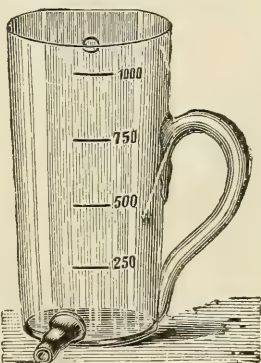


Fig. 1542. Glass Irrigator with handle. See page 758.

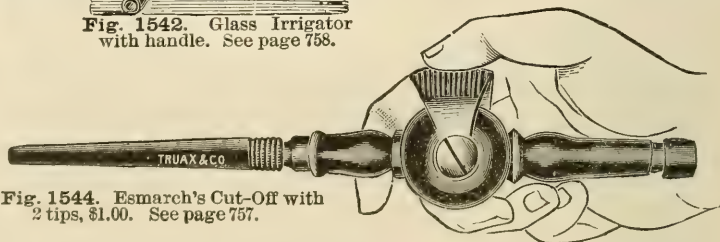


Fig. 1544. Esmarch's Cut-Off with 2 tips, \$1.00. See page 757.

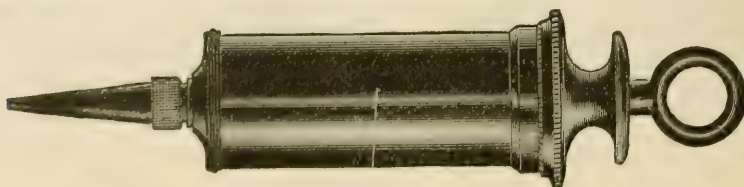


Fig. 1546. Hard rubber Wound Syringe, 2 oz., \$2.00. See page 758.



SURGICAL REQUIREMENTS—IRRIGATING.



Fig. 1549. TRUAX, GREENE & CO'S ASEPTIBLE SYRINGE, NO. 1.

This siphon starter and cut-off may be attached to any receptacle for fluid.
 Syringe complete as shown in illustration each \$1.00, doz. \$11 00
 Patent cut-off only each 50

Directions for Using.—Place the “U”-shaped tube over the edge or rim of the pail, pitcher, bottle or other utensil holding the water. Set or hang the utensil higher than the couch or bed on which the patient is lying. Slip the rolling clamp well up toward the “U”-shaped tube and lock it by pressing the two halves together, then draw it downward toward the nozzle, which will cause the water to flow over the siphon. The syringe is now ready for use. To unlock the clamp, press on the edges of the two halves, which are directly over the hook. To lock it, press on the opposite edges. By locking the clamp and drawing it down the tube, water or other fluid may be forced in with great pressure.

Care of the Apparatus.—Keep the clamp dry and occasionally touch the bearings of the rollers with oil applied on a feather. Do not put the apparatus in its box wet; by running the clamp down the tube every drop of water can be wrung out of the tube. Should it be desired to remove the soft rubber tube from the hard rubber “U”-shaped tube, it can easily be replaced, as the oval opening at the bend of the “U” enables one to thread the soft tube around the bend without difficulty. In replacing the apparatus in the box, wind the tube around the hand and allow the free end to turn in the air as the slack is taken up, then place the coil in the box and it will lie smoothly without kinking. Kinks in a rubber tube ruin it.

Advantages.—The apparatus is cheap, very compact and easily carried. Any amount of fluid can be used, the amount being only limited by the utensil employed as a receptacle. By sliding the clamp down the tube water or other fluid may be injected with great force. A colpeurynter may be filled in this way. A bottle, pail or pitcher may be stood upon a mantel or table or may be hung up by a piece of string, whereas a rubber bag always has to be hung up. The apparatus is practically indestructible, while a rubber bag often cracks and is spoiled. Last, but by no means least, the apparatus can be kept very clean and a fresh receptacle can be used in every case. A bottle or pitcher can be scalded out and rendered thoroughly aseptic. Surgeons will appreciate this point.

CHAS **TRUAX** *TRU* **GREENE & CO**

SURGICAL REQUIREMENTS.—ANTISEPTIC.

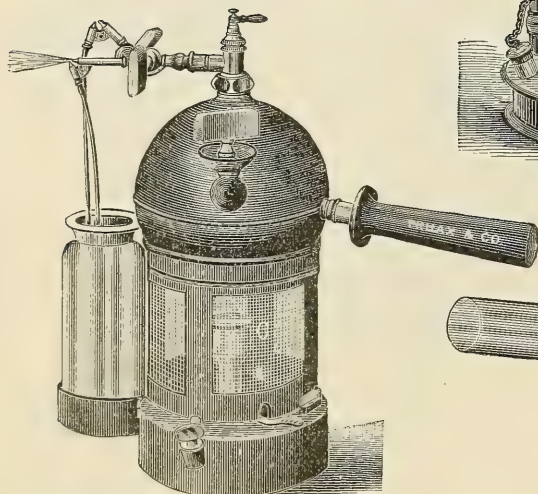


Fig. 1558. Waxham's Large Antiseptic Spray, \$35.00. See page 756.

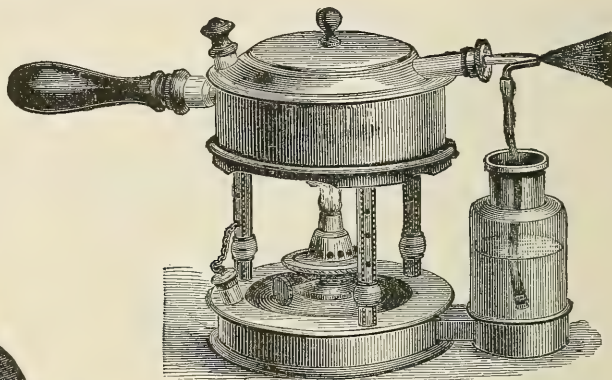


Fig. 1559. Weir's Spray, large, best \$18.75; small, plain, \$10.00. See page 756.

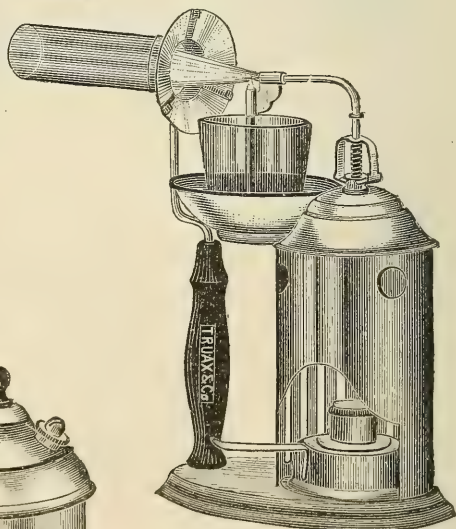


Fig. 1560. Truax, Greene & Co's Steam Spray No. 2, \$2.00. See page 756.

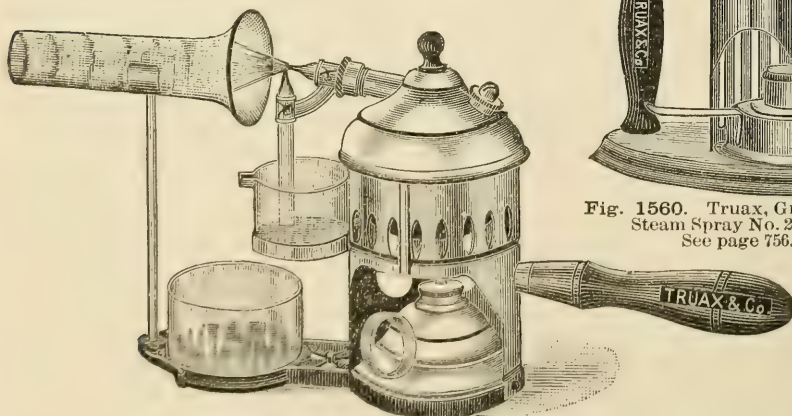


Fig. 1561. Truax, Greene & Co's No. 1 Steam Spray, \$3.50. See page 756.

SURGICAL REQUIREMENTS—DRAINAGE.

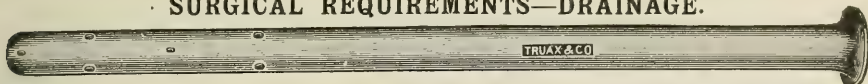


Fig. 1569. E. C. Dudley's Glass Drainage Tube, 12 sizes, each 35c. See page 763.



Fig. 1570. Brun's Flexible Drainage Tube Carrier, \$1.75. See page 764.



Fig. 1591. Decalcified Bone Drainage Tube. See page 763.



Fig. 1571. Hamilton's Drainage Tube Carrier, \$3.75. See page 764.



Fig. 1572. India Rubber Drainage Tube, per yard, 25c. to 35c. See page 764.



Fig. 1574. Carbolized Soft Rubber Drainage Tubes, each 6 inches long, 6 in bottle per bottle, 35c. See page 764.

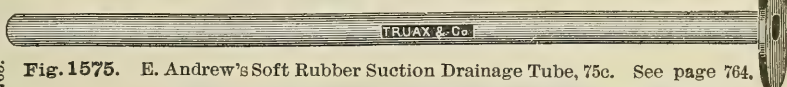


Fig. 1575. E. Andrew's Soft Rubber Suction Drainage Tube, 75c. See page 764.

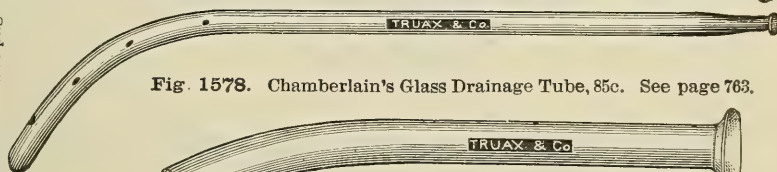


Fig. 1578. Chamberlain's Glass Drainage Tube, 85c. See page 763.

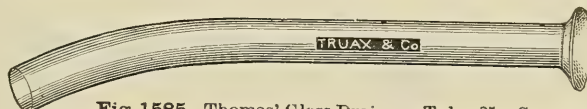


Fig. 1585. Thomas' Glass Drainage Tube, 25c. See page 764.



Fig. 1586. Gross' Glass Drainage Tubes.

FURNISHED IN SEVEN SIZES.

These tubes have large holes, one-half inch apart, arranged alternately on opposite sides. They are carefully finished, especial care being taken to make them smooth. In addition to the drainage holes, each tube has at one end two smaller holes for the insertion of safety pin, through which it is prevented slipping into the wound.

1. Length 63mm., diam. 7mm., 4 holes, per doz \$1.25	5. Length 102mm., diam. 9mm., 7 holes, per doz \$1.70
2. " 63 " " 8 " 4 " " " 1.25	6. " 114 " " 9 " 8 " " " 1.90
3. " 76 " " 8 " 5 " " " 1.40	7. " 126 " " 10 " 9 " " " 2.10
4. " 82 " " 9 " 6 " " " 1.55	

HAS TRUAX & CO GREENE & CO

SURGICAL REQUIREMENTS.—DRAINAGE.

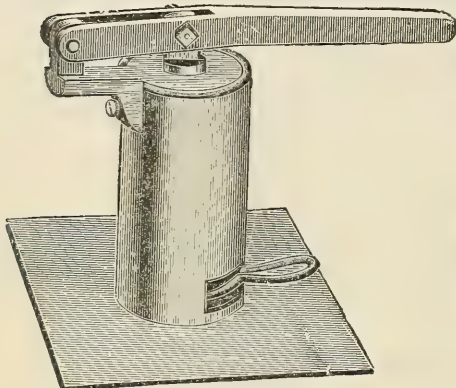


Fig. 1599. J. B. Greene's Shot Perforator, \$3.50. See page 763.



Fig. 1596. Keith's Glass Drainage Tube, 50c. See page 763.



Fig. 1597. Tait's Glass Drainage Tube, 50c. See page 764.



Fig. 1598. Schapp's Hard Rubber Spiral Drainage Tube, 50c. to 75c. See page 764.

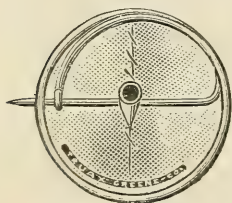


Fig. 1603. Hancock's Ligature Pin, 25c. See page 764.



Fig. 1606. Callender's Metal Self-retaining Drainage Tubes, \$2.00. See page 764.



Fig. 1609. Huel's Drainage Opening Punch, \$1.15. See page 764.



Fig. 1605. Truax's Forceps for introducing Drainage Tubes, \$2.00. See page 764.



Fig. 1613. Thomas' Hard Rubber Double Drainage Tube, \$1.75. See page 764.

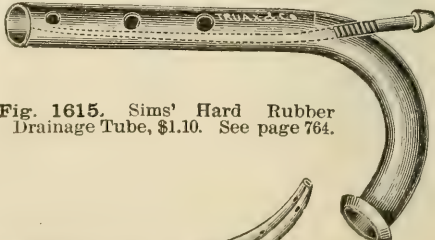


Fig. 1615. Sims' Hard Rubber Drainage Tube, \$1.10. See page 764.



Fig. 1607. Byford's Fistula Drainage Tube, \$1.75. See page 764.



Fig. 1611. C. W. Earl's Glass Drainage Tube \$1.00. See page 763.

HAS TRUAX GREENE & CO.

SURGICAL REQUIREMENTS.

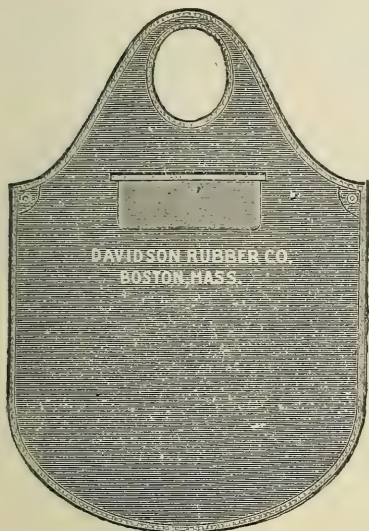


Fig. 1625. The Baxter Surgical Apron, 39 in. long \$4.00, 45 in. long \$4.25.

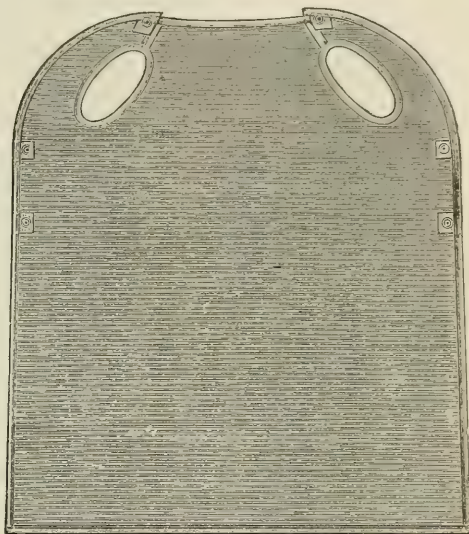


Fig. 1627. The Trippe Surgical Apron. 58 in. long \$6.50

SURGEONS' APRONS. (See Page 764).

These aprons are made of sheeting coated on one side with tan colored stock, and are thoroughly waterproof, which is very convenient and often necessary in some surgical operations.

Nos. 180 and 181 are 39 and 45 inches long, respectively, and are wide enough to protect the front of the person, while the No. 185 is 58 in. long and is wide enough to pass around the body, covering the person from the neck to the feet.

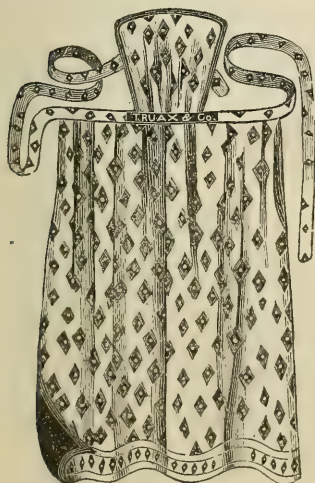


Fig. 1630. Nurses' Rubber Apron, \$1.50. See page 764.



Fig 1632. Obstetrical and Dissecting Sleeves, soft, pure rubber. Pair, 75c. See page 765.



Fig. 1629. Nurses' Aseptic Soft Rubber Cap, \$1.25. See page 764.

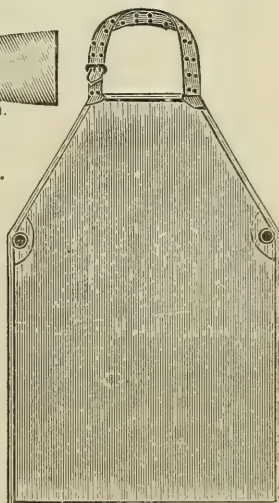


Fig. 1631. Plain Dissecting Apron, \$2.50. See page 764.

CHAS. TRUAX & CO. GREENE & CO.

IMPROVED SURGICAL CUSHIONS.

This improvement on surgical cushions was made at the suggestion of Dr. Howard A. Kelly, and consists of a covered channel for conducting off the fluid instead of a plain flap as on the ordinary cushions. The opening is furnished with a stout spring to keep it open and at the lower end is fastened a hook which can be hooked over the spring, forming a pocket which will hold all the fluid from many simple operations. The hook also answers to hang up the cushion when not in use.

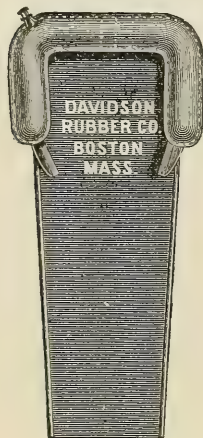


Fig. 1637. Kelly's Small Surgical Cushion, \$3.00. See page 75.



Fig. 1638. Kelly's Large Surgical Cushion, \$4.00 to \$5.25 See p. 757



Fig. 1639. Boston Surgical Cushion. See page 757.

The great convenience and value of these cushions are explained by Dr. Howard A. Kelly of Philadelphia, for whose use they were first made.

They have been used by him and many others in Obstetrical, Perineal, Cervical and general Surgical Operations, being of great convenience, especially where an abundance of water or fluid was necessary, and the satisfaction was greatly enhanced from the fact that the clothing and bedding was perfectly dry after the operations were completed.

The inflatable rim forms a soft cushion wall, which prevents the escape of the fluid on the bedding and by the opening and apron the fluid is conducted down into the bucket.



Fig. 1641. For prices see page 767.



Fig. 1642. Flat Sponges for Ovarian Surgery. See page 767.

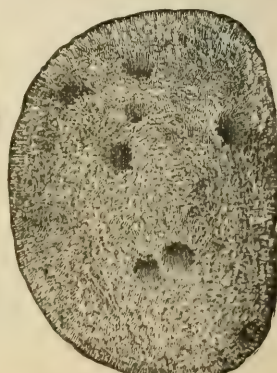


Fig. 1643. Surgeon's Sponges. See page 767.



SURGICAL REQUIREMENTS.

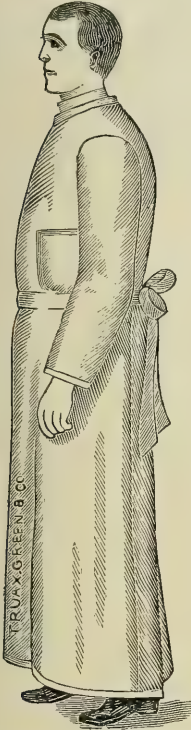


Fig. 1649. Assistants' Gowns. Made from good Linen, \$2.00. See page 765. In ordering give bust measurements and sleeve length.

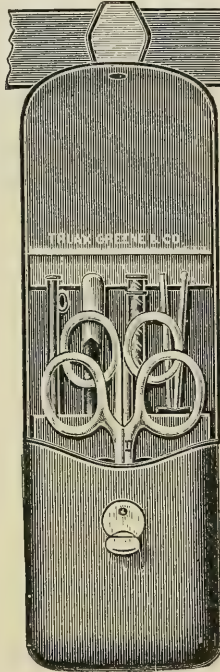


Fig. 1650. Nurses' Chatelaine. In fine leather case. Price complete, \$6.00. See page 765.

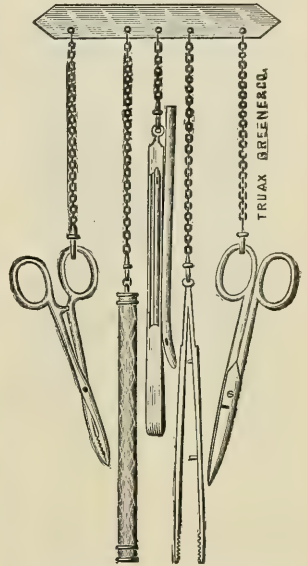


Fig. 1651. Nurses' Plain Chatelaine. Price complete, \$5.00. See page 764.

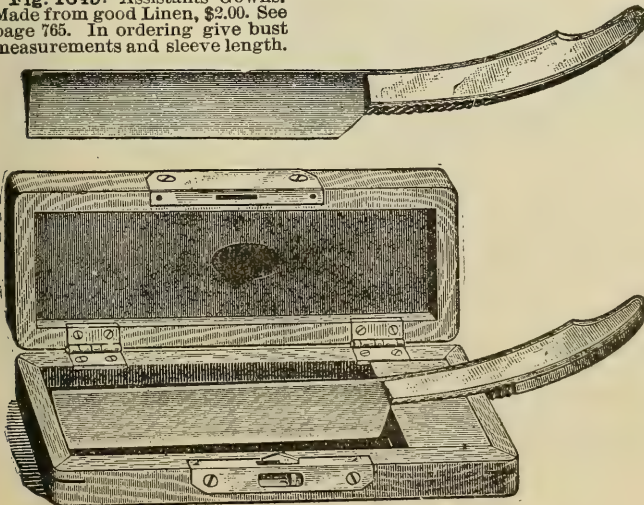


Fig. 1652. Robb's Aseptible Razor, \$1.75; in case, \$2.25. See page 756.

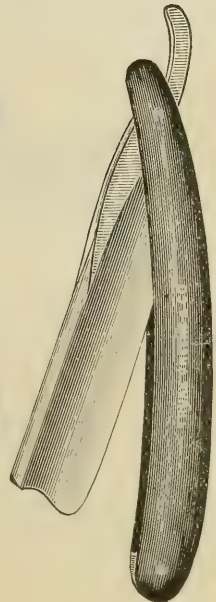


Fig. 1655. Surgical Razor, \$1.00. See page 755.



SURGICAL REQUIREMENTS.

PHILLIP'S COTTON RESERVOIR.

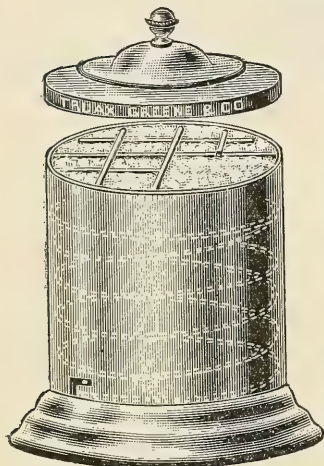


Fig. 1665. Phillip's Cotton Reservoir, \$1.50.

obtain complete control over it even if his fingers are wet or covered with blood, so that its introduction or withdrawal is rendered easy and quick. It may be directed with greater accuracy, and adjusted with one hand when necessary. It is manufactured in three sizes, and will doubtless prove valuable in hospital, if not in general practice. —CHARLES TRUAX, *North American Practitioner*, August, 1889.

This is a useful adjunct to the office of the physician and surgeon; more particularly to the specialist. It is constructed internally so that the cotton, to the very last piece, is exposed at the top. The Aurist or Gynecologist can readily pick a small or large piece of cotton, as may be desired, from the reservoir for attachment to a probe, carrier or applicator or for tamponing purposes.

WARD COUSINS' SURGICAL SAFETY PIN.

Price.....per doz \$0 35

Those of the medical profession who have been accustomed to the use of the ordinary safety pins in fastening bandages and other surgical appliances will, I think, appreciate the modification shown in the accompanying illustration. It is the invention of Dr. J. Ward Cousins, F. R. C. S., Lond., senior surgeon to the Hoyal Hospital at Portsmouth, who first called the writer's attention to it when visiting the above mentioned hospital, where it was in general use.

The ring-shaped handle enables the operator to

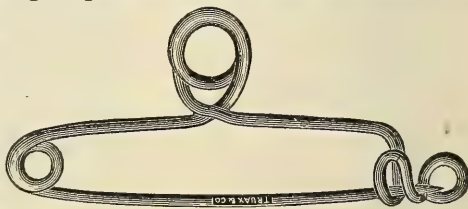


Fig. 1671. Ward Cousins' Surgical Safety Pin.

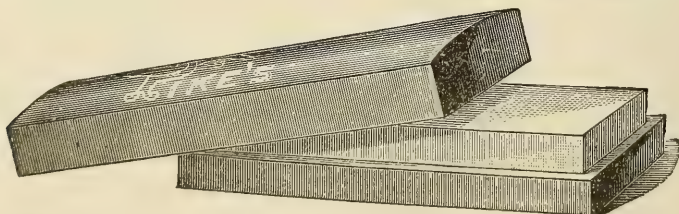


Fig. 1670. Oil Stones for Sharpening Cutting Instruments. For directions and prices see page 790.

DAVIDSON RUBBER CO'S SANITARY AND CHEMIST'S COVERS.

These articles will be found almost indispensable in the Sick Room, Hospital and Laboratory, as Covers to chambers, pails, jars and vessels emitting odors of a disagreeable, unhealthy or dangerous nature, or in preventing the dust and dirt settling on to the liquid when percolating, as THEY ARE AIR TIGHT, NOISELESS AND PERFECTLY SIMPLE in their use.

The rim is of metal, whilst the rest of the cover is made of a pliable smooth rubber stock.

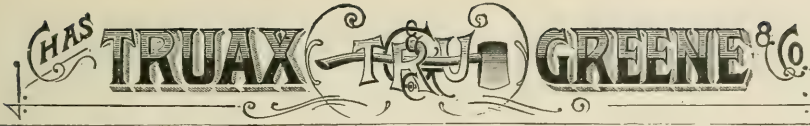
For prices see page 756.



DAVIDSON RUBBER CO.
Fig. 1672.



DAVIDSON RUBBER CO.
Fig. 1672.



Kangaroo Tendon Sutures.

25 Sutures in each bottle.

Price, \$2.50 per bottle.

We have made an arrangement whereby we can furnish Kangaroo Tendon Sutures prepared under the personal supervision of Dr. Henry O. Marcy, of Boston.

The profession is indebted to Dr. Marcy for the demonstration of the advantages to be derived from the closure of all aseptic wounds, without drainage by the use of buried animal sutures. He published his observations five years previous to Werth, of Germany, to whom in Europe, is credited the valuable innovation.

Dr. Marcy proved from many histological investigations that the suture, thus buried, is not alone slowly absorbed, but it is in large measure replaced by *vitalized connective tissue*. Somewhat recently these observations have been abundantly confirmed in the elaborate work of Ballanee and Edwards—who give decided preference to the tendon suture, especially that from the tail of the kangaroo. Dissatisfied with catgut, as difficult to sterilize, and at the best inherently faulty in construction, Dr. Marcy made a painstaking investigation of the tendons from a great variety of animals for a substitute. In 1880 he determined that those from the tail of the kangaroo possessed advantages over all others, and urged their introduction to the surgical profession of Europe and America. They have withstood the crucial test of more than ten years' continued use. The chief objection to their general adoption has been the difficulty of obtaining them in sufficient quantity and the high cost. Notwithstanding their superiority over any other suturing material has already created a wide demand, it affords us great pleasure to be able to furnish our patrons carefully prepared kangaroo tendons at the greatly reduced price of ten dollars a hundred. Mailing orders will be filled for bottles containing twenty-five each, guaranteed aseptic.

"I take pleasure in exhibiting, at the request of some of the Fellows, samples of kangaroo tendons, in the condition in which they are sent to me from Australia. It will be noted that this animal has the tendon of the tail disposed in a bundle of parallel fibres, running its entire length. These vary in size, dependent upon the size and species of the animal. As will be observed, they are easily separated into even, smooth, round strands of uniform size. Those from the species called the



wallabee are preferable, since the size of the tendons is that more commonly desired for the suturing of wounds. They vary somewhat in length, averaging about 20 inches. I have carefully studied the tendons of every animal which I thought could furnish the material suitable for sutures."

"I sent to Australia more than ten years ago for a supply of tendons from the tail of the kangaroo, inferring from the relationship of the species with the squirrel and opossum, that the tail of this animal should furnish similar tendons, and of course, much longer and larger. It has been only after many and repeated efforts that I have been enabled, within two or three years, to secure a supply much in excess of my own immediate requirements. In earlier years I have paid any price demanded, even in Australia, 60 cents per strand, by the hundred. However, an arrangement has been recently effected, by which an ample supply may be obtained for furnishing the entire profession with reliable tendons."

"Catgut has many defects, chief of which is, that for days together, the intestines of the animal, from which it is made, must remain in a state of active putrefaction, in order to separate the connective tissue sheath from the other coats of the bowel. This is then subdivided as required in size, and twisted into a thread, the ordinary catgut, or violin strings of commerce.

The sterilization of this material, so as to render it safe for sutures or ligatures, and yet not injure its integrity, is by no means easy. As has been shown by many observers, the largest sizes especially of catgut prepared for surgical use, contain bacteria, capable, under favorable circumstances, of reproduction. This is doubtless the most valid reason why catgut, as suture material, has fallen into disuse.

When its histological elements are investigated, it will be seen that its ultimate fibres cross each other diagonally to the long axis of the bowel. This is an admirable disposition to allow of the ever-varying size of the intestine, but it is little suitable for the purposes of great strength and inelasticity. The illustration is not overdrawn in the comparison of the attempt to make a strong cord by cutting the finest woven fabric upon the diagonal and twisting it. So great is the strength of the connective tissue of animals that catgut, when kept dry, is capable of resisting great strain, as in the high tension of musical instrument strings. But, when macerated, a softening process which must take place in the tissues of the body, the catgut unfolds and becomes a soft, elastic material. This explains why, in the interrupted suture, the knot is so untrustworthy. The tendons proper of animals have their fibres uniformly disposed in parallel lines, and as a consequence, when moist, are many times stronger than the same size of catgut."

A properly prepared aseptic animal suture, buried aseptically in healthy tissues, slowly disappears, and, as histological studies abundantly prove, they are replaced, in large measure, by connective tissue cells, making a band of living, constricting, or supporting structure, which surrounds the included part.

This is of the highest importance in the ligating of large vessels, and of almost equal value in the supporting of many of the structures coapted in wounds, as, for example, in hernia, the repair of the perineum, etc.

I am certain that one of the greatest advantages of modern surgery is found in the immediate coaptation of all well vitalized aseptic wounds, hermetically sealed without drainage. For this purpose the tendon suture is the ideal material, and I hazard very little in predicting that, at an early date, the clumsy, bungling method of closing wounds with interrupted sutures, at best liable to infection and subsequent danger, will be relegated to history, and the tendon suture will become an indispensable factor in wound treatment."—[Extracts from paper written by Dr. H. O. Marcy.



ALEXANDER R. GULICK,

SOLE PROPRIETOR
AND MANUFACTURER OF

Compartment Plates



Patented March 21, 1893.

For the use of *Invalids*, and in Steamships, Army, Navy, and for Surgical and Hospital purposes. Expressly adapted for serving a meal in a compact form.

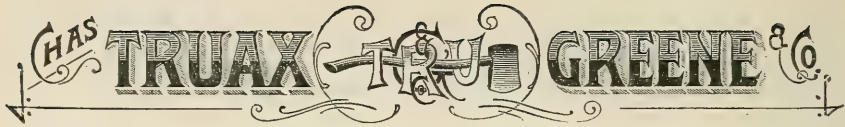
The plate should be in every household, as it is always a ready thing for keeping a meal hot and handy to serve a meal in the sick room, thereby doing away with the use of a heavy tray and many shifting dishes, etc.

ALEXANDER R. GULICK,

120 Broadway, New York.

PRICE EACH \$1 00. SPECIAL PRICES IN DOZEN LOTS.

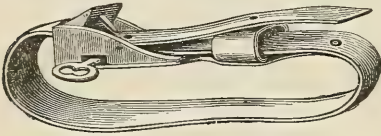
FOR SALE BY CHAS. TRUAX, GREENE & CO.



RESTRAINT FOR THE INSANE.

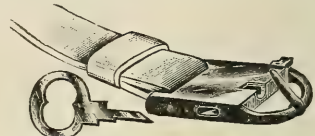
THE LYNCH PATENT LOCK BUCKLES.

The most improved form of restraint for the insane. Full price list furnished on application.

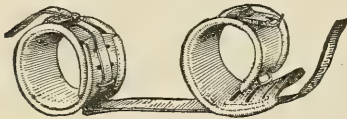


Patent Lock Buckle and Waist Strap.
each, \$2 50.

These buckles are similar in construction to the Yale lock, are nickel plated, and present a neat and handsome appearance. They possess no steel springs to rust or get out of order. The straps cannot be broken at the buckle tongue. Straps with our buckles will stand double the strain of any other device.



Shoe and Clothing Buckle, without Straps
dozen \$8 00. With Straps, dozen \$9 00

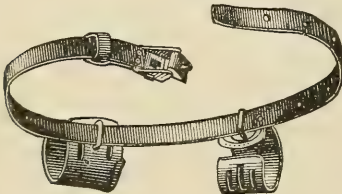


Anklelets with Small Buckles, complete,
each \$6 00

We furnish two styles of Anklelets, one with small and one with large buckles. They are adjustable to any ankle. The small ones are especially designed for day use, as they do not become separated when detached from the patient. The larger ones may be separated and are designed for night use.

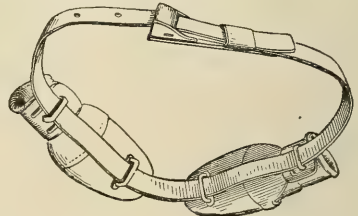


Anklelets with Large Buckles, complete,
each \$6 00



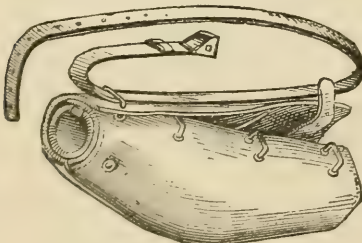
Wristlets, complete with Waist Strap and
Patent Buckle, each \$5 50.

These are made of heavy stock pressed into shape and are lined with good Buckskin. They are attached to the waist strap with a brass staple or plate.



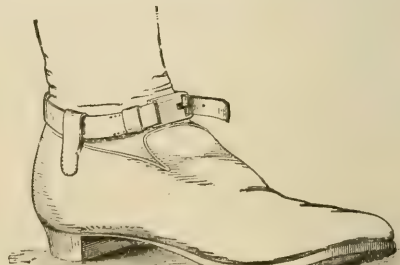
Mitts, per pair, with Waist Strap and
Patent Buckle, \$8 00

These are of heavy leather with buckskin lining. The front and back are of pliable calfskin. They are perforated for ventilation.



The Lynch Muff with Waist Strap and
Patent Buckle, complete \$8 00.

This muff is constructed so as to retain its form indefinitely. Permanent wristlets are attached to fit any sized wrist, and the muff is perforated to secure ventilation.



Shoe Buckle and Strap ready to attach to
Flipper, dozen \$9 00

These appliances have been in use for several years and letters of reference will be furnished when desired.

Extra Keys for any of above, dozen \$1 50.

MANUFACTURED BY THE HUMANE RESTRAINT CO., MADISON, WIS.

FOR SALE BY CHAS. TRUAX, GREENE & CO.

HAS TRUAX & GREENE & CO.

STERILIZERS.

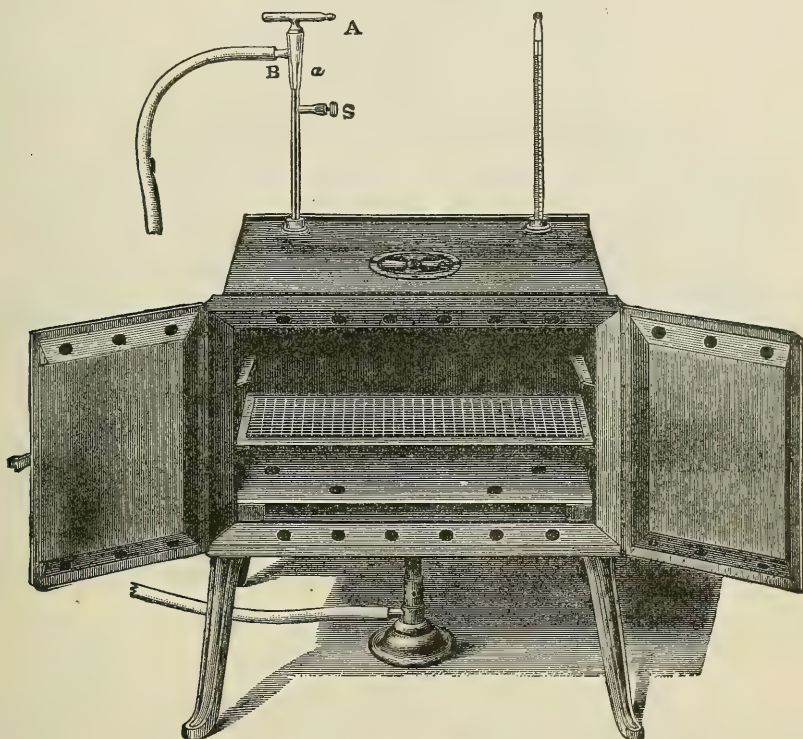


Fig. 1701. BOEKEL'S STERILIZING OVEN.

These ovens, made in four sizes, are constructed from the best Russia iron, with double walls. A system of ventilation is secured which maintains a uniform heat, and an improved gas regulator controls the supply of gas to prevent overheating. The prices include Bunsen burner, gas regulator and thermometer.

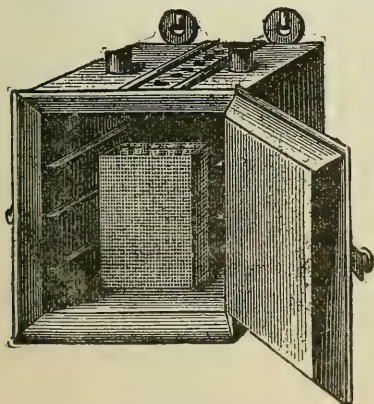


Fig. 1703.

PRICES AND INSIDE MEASUREMENTS.

No. 1.	Width 12 in., depth 9 in., height 9 in.	... \$16 50
No. 2.	" 15 " " 9 " " 9 "	... 19 50
No. 3.	" 18 " " 9 " " 9 "	... 21 75
No. 4.	" 24 " " 12 " " 12 "	... 30 00

Fig. 1703. PLAIN HOT AIR STERILIZER.

This is a double walled apparatus, but it has the walls closed so that they are without ventilation. A thermometer and burner accompany each one, and a slide regulates the temperature.

PRICES AND INTERNAL MEASUREMENTS.

No. 40.	Height 9 in., width 6 in., depth 6 in.	... \$10 00
"	" 12 " " 8 " " 8 "	... 13 50
"	" 16 " " 12 " " 12 "	... 18 00

HAS TRUAX & CO GREENE

STERILIZERS.

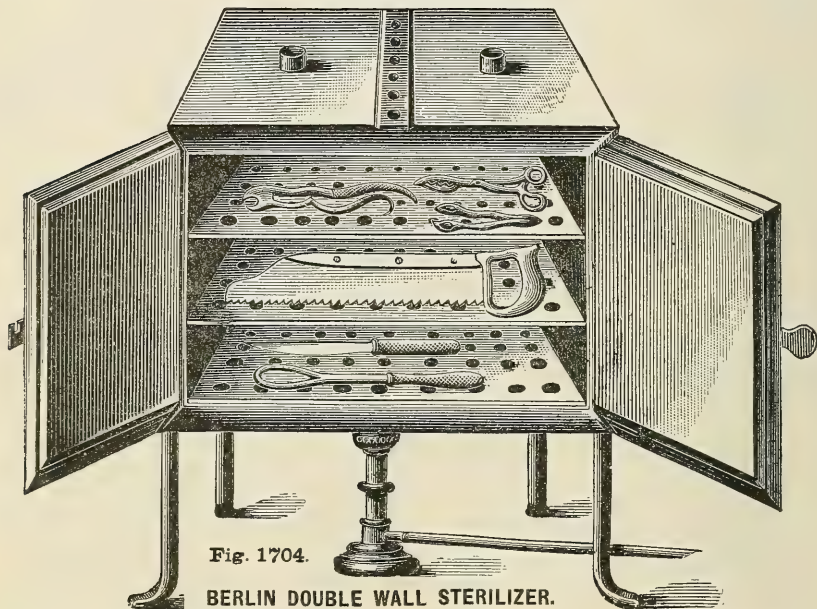


Fig. 1704.

BERLIN DOUBLE WALL STERILIZER.

This is manufactured from Russia iron and constructed in such a way that the heated air passes through the chamber containing the instruments. Inside measurements, width, 16 in., height, 12 in., depth, 9 in.

Price, with burner and thermometer, \$20.00.

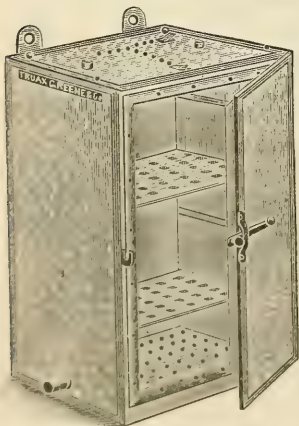


Fig. 1706. Rohrbeck's Double Wall Sterilizer. Asbestos Covered.

These sterilizers are Russia iron, covered with asbestos. The ventilation is controlled by means of slides and vents. A burner and thermometer are sent out with each instrument.

Prices and Inside Measurements.

	HEIGHT.	WIDTH.	DEPTH.	
No. 8.	12 in.,	9 in.,	8 in.,	\$26 00
No. 9.	20 in.,	14 in.,	14 in.,	38 00

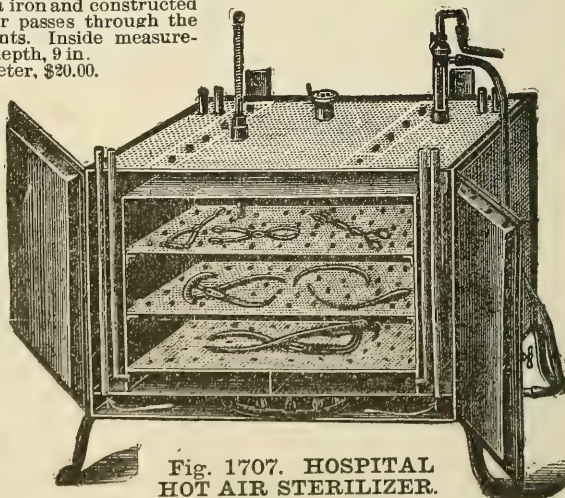


Fig. 1707. HOSPITAL HOT AIR STERILIZER.

These sterilizers are manufactured on a plan that admits only pure air to the instrument chamber, the gas, air bath, and inner chamber each having a system of ventilation independent of the other. This affords every possible benefit, and as the outer covering is of asbestos, they can be operated not only without much loss of heat but with little or no discomfort to attendants. Prices include burner and thermometer.

Prices and Inside Measurements.

No.	Width	Height	Depth	Price
No. 20.	16 in.,	12 in.,	9 in.,	\$36 00
No. 21.	20 in.,	14 in.,	12 in.,	48 00
No. 22.	24 in.,	16 in.,	16 in.,	62 00

HAS TRUAX & GREENE

STERILIZER.

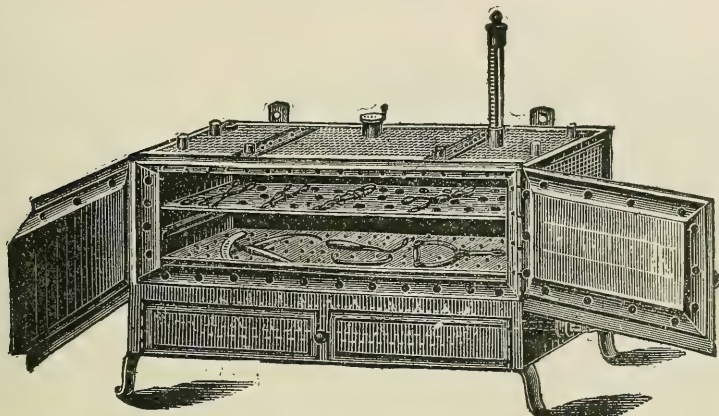


Fig. 1709. HIRSCHBERG'S HOT AIR STERILIZER.

The design of this sterilizer differs from our figure in having a warming oven below and surrounding the flame chamber besides having feet upon which the sterilizer rests. It is covered with asbestos. The prices include an improved burner and a thermometer.

PRICES AND INTERNAL DIAMETERS.

No. 27, width 15 in., height 6 in., depth 10 ..	\$33 00
" 28, " 15 " " 10 " " 12 ..	40 00
" 29, " 20 " " 10 " " 12 ..	45 00
" 30, " 24 " " 12 " " 15 ..	60 00

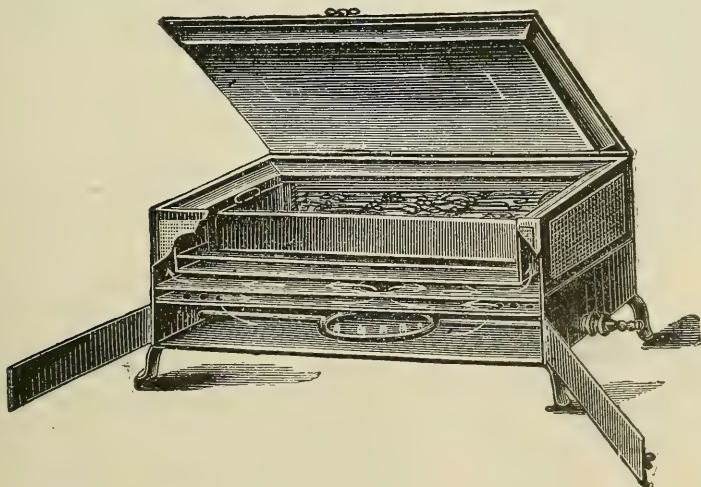


Fig. 1710. LASSAR'S COPPER HOT AIR STERILIZER.

This sterilizer is made entirely of copper and brass handsomely finished. It is mounted on short legs and contains a drying chamber surrounding the flame. It is built on the double wall system arranged for perfect ventilation. The prices include an instrument box, as shown in Fig. 1716, a burner and thermometer.

PRICES AND INTERNAL MEASUREMENTS.

No. 34, length 8 in., width 5 in., height 4 ..	\$15 00
" 35, " 14 " " 7 " " 5 ..	25 00
" 36, " 20 " " 10 " " 6 ..	35 00

HAS **TRUAX** & **GREENE** & CO.

STERILIZERS.

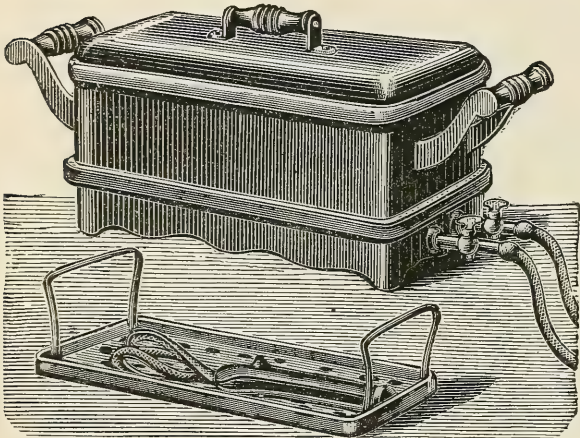


Fig. 1712. Schimmelbusch's Sterilizer for Soda Solution.

This sterilizer is probably the best of the hot water patterns. The instruments are placed on trays in a one per cent. carb-soda solution, which is brought to boiling point and there maintained ten minutes. The apparatus is made of copper, finely finished.

Price\$35 00

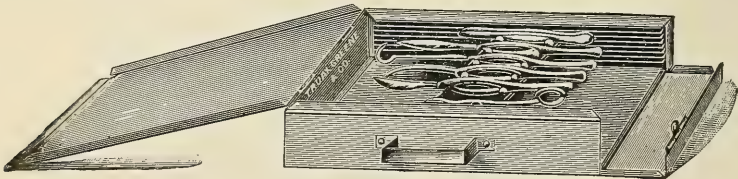


Fig 1715. Small Sterilizing Instrument Case.

These cases are of copper, finely finished, with close fitting joints. They are intended for use with any of our hot air sterilizers. The instruments may be clamped to sliding trays and after being sterilized may be allowed to remain in the box until wanted for an operation. The clamps are arranged so that the instruments are firmly held, and thus secured, the box may be transported from one place to another.

SIZES AND PRICES.

No. 1.	Length 6 inches,	width 4 inches,	height 2 inches.....	\$4 00
No. 2.	" 9 "	" 5 "	" 3 "	6 00

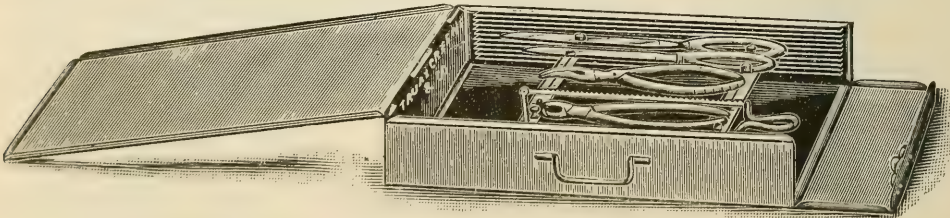


Fig. 1716. Large Instrument Sterilizing Case.

This is similar to Fig. 1715, and differs only in size and price.

No. 5.	Length 12 inches,	width 6 inches,	height 4 inches.....	\$ 8 00
No. 6.	" 15 "	" 8 "	" 5 "	10 00
No. 7.	" 20 "	" 10 "	" 6 "	14 00

Extra sizes made to order.

HAS TRUAX GREENE & CO.

STERILIZERS.

Fig. 1718.

EMMERICH'S HOT AIR STERILIZER.

These sterilizers are constructed so that the degree of heat in all parts of the chamber may be regular and uniform. Thermometers are placed on both sides so that the variation in heat, if any, may be noted and the draught corrected.

PRICES AND INSIDE MEASUREMENTS.

No. 16. Height, 12 in., width, 9 in., depth, 8 in. \$20 00

No. 17. Height, 18 in., width 11 in., depth 11 in. \$26 00

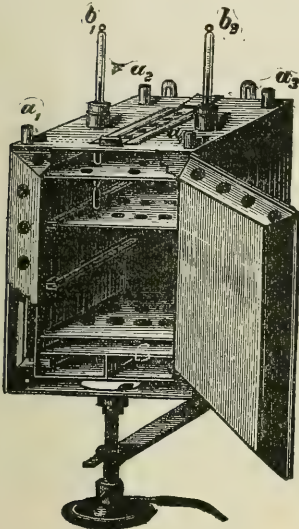


Fig. 1718.

Fig. 1721. PASTEUR'S HOT AIR STERILIZER FOR DRESSINGS.

This consists of a triple wall of sheet iron and is adapted for sterilizing dressings, bandages, etc. A wire cage accompanies each apparatus. Price includes burner and thermometer.

PRICE AND INTERNAL DIAMETER.

No. 51. Diameter, 9½ in., height, 16 in. \$15 00

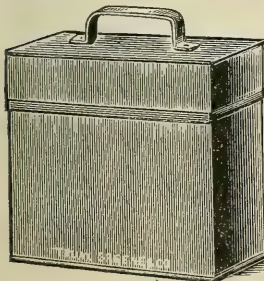


Fig. 1722.

Fig. 1722. DRESSING BOX FOR STERILIZING.

These are made from copper, finely finished and with close fitting covers. They are adapted for sterilizing all kinds of dressings, bandages, ligatures, etc.

PRICES AND SIZES,

No. 1. Height 5 in., width, 4 in., depth 2 in. \$150
No. 2. Height 8 in., width 6 in., depth 3½ in. \$200
No. 3. Height 12 in., width 8 in., depth 5 in. \$300

Fig. 1724. HOT AIR OVENS.

These are designed more for drying than for sterilizing purposes. They are made of Russia iron and are supplied with burners and thermometers.

PRICES AND SIZES.

No. 61. Width 8 in., height 5 in., depth 5 in. \$5 00
No. 62. " 12 " " 7 " " 7 00
No. 63. " 15 " " 10 " " 9 00

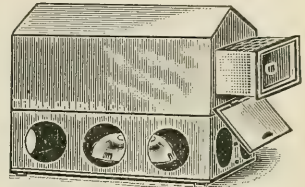


Fig. 1719. VAN HEUSEN'S HOT AIR STERILIZERS.

Price.....\$8 00

Lower half of Russia iron, balance of copper, height, 10 in., length 11½ in., width 7 in.. Price includes alcohol lamp. Special sizes made to order.

Same 16-inch.....\$14 00
Same 24-inch.....25 00

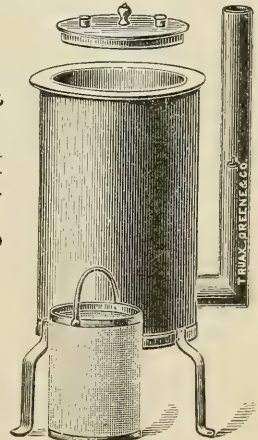


Fig. 1721.

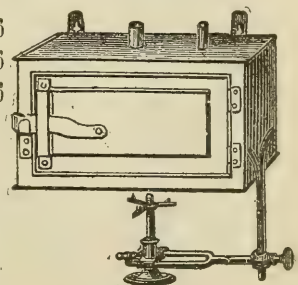
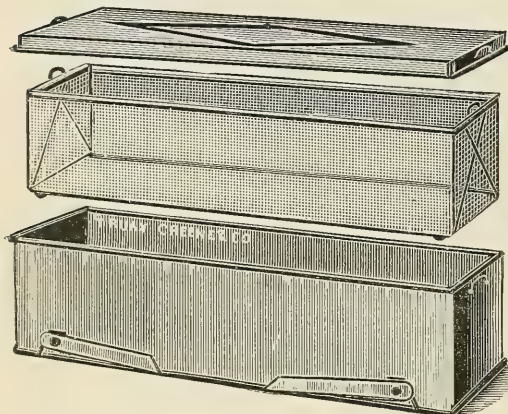


Fig. 1724.

HAS TRUAX & CO GREENE & CO

STERILIZERS.

Fig. 1727. KEANE'S PORTABLE HOT WATER STERILIZER.



SIZES AND PRICES.

No. 1, length 16½ in., width 7½ in., height 4½ in.....	\$10 00
No. 2, length 13 in., width 6 in., height 4 in.....	8 50
No. 3, length 10 in., width 4½ in., width 3½ in.....	7 00

These sterilizers are adapted for use only in cases where boiling in hot water is deemed sufficient. They are manufactured from copper, neatly made and nickel-plated. They are provided with folding legs, that they may be easily transported. The basket in which the instruments are to be placed is made of wire gauze. The No. 1 is large enough to sterilize the largest obstetrical instruments and where desired can be furnished in a canvas or leather case for carrying.

Fig. 1727. Keane's Portable Hot Water Sterilizer. ing, that the instruments may be sterilized just before using. Special sizes manufactured to order.

Fig. 1728. TRUAX, GREENE & CO'S PORTABLE STEAM STERILIZER.

This apparatus consists of a heavy, well-made copper steam chest fitted to an oblong boiler. The steam chest is made very strong and is provided with a cock having a minute opening, so that an excess of steam may be permitted to escape. The entire apparatus is of the best possible construction. The physician can sterilize his instruments by placing the apparatus on a stove or range; when finished, close the cock and convey the chest with instruments in it to place of operation. They need not be exposed to the air until wanted for use.

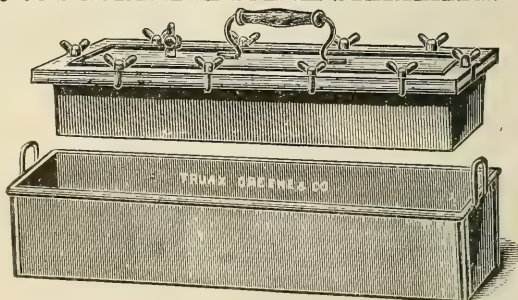


Fig. 1728. Truax, Greene & Co's Portable Steam Sterilizer.

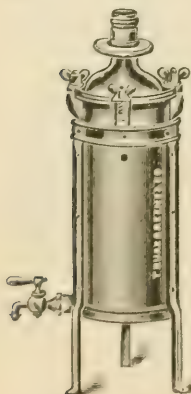
INSIDE MEASUREMENTS.

Length 15¼ in., width 3½ in., depth 3 in.....	\$26 50
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Fig. 1730. VIENNA STEAM STERILIZER.

Height 10½ in., inside diameter 4 in.....	\$10 00
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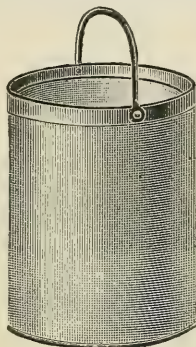
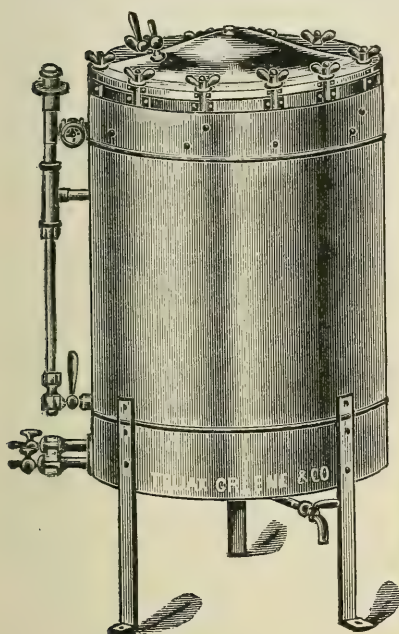
This is the smallest pattern of steam sterilizers we have been called upon to make. It is intended more especially for physicians in private practice. It is used for sterilizing ligatures, bandages, dressings and small articles. It is constructed of iron, is well made and of a desirable pattern.





STERILIZERS.

Fig. 1733. SCHIMMELBUSCH'S STEAM STERILIZER.



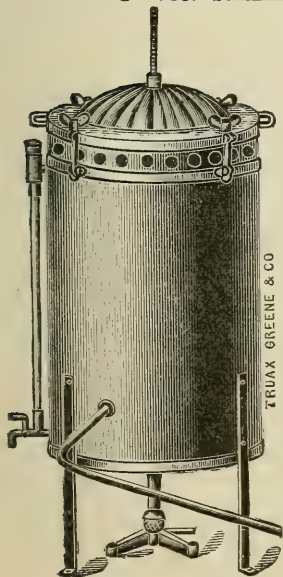
PRICES AND INSIDE MEASUREMENTS.

No. 1, height 24 inches,	
diameter 16 "	\$90 00
No. 2, height 18 "	
diameter 12 "	52 00
No. 3, height 12 "	
diameter 8 "	30 00

This apparatus has now become the standard appliance in nearly all the German hospitals for the sterilization of Dressings, Bandages, Ligatures, etc. It is usually found in the better class of operating rooms forming a part of the necessary apparatus. They are constructed of heavy iron carefully joined, and may be operated either with a suitable burner or with live steam direct from a boiler. A suitable gas burner and thermometer accompanies each instrument. Each apparatus contains a suitable gauze bucket, and ventilated basket for the dressings. One of these baskets has a circular perforated slide that permits of its being closed while transporting it from place to place or from one room to another.

Fig. 1733. Schimmelbusch's Steam Sterilizer.

Fig. 1734. BERLIN STEAM STERILIZER, COPPER.



PRICES AND INSIDE MEASUREMENTS.

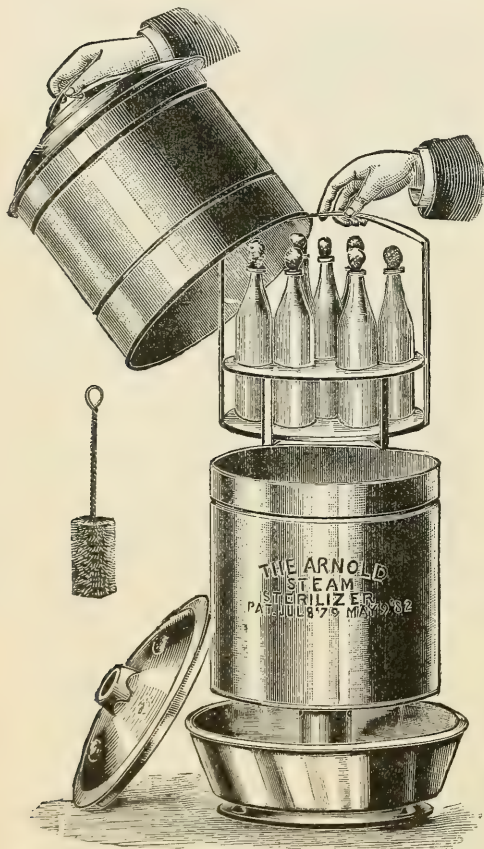
No. 1, height 20 inches, diameter 12 inches.....	\$45 00
No. 2, height 16 inches, diameter 10 inches.....	33 00
No. 3, height 12 inches, diameter 8 inches.....	25 00

These sterilizers are made from highly burnished copper of strong and neat construction. They are double walled, the inner one of which is perforated near the top thus admitting steam from the space between the walls into the sterilizing chamber. The amount of water in the apparatus is shown by the gauge figured in the illustration. Each apparatus is supplied with two sterilizing buckets of the latest design. The price also includes thermometer and suitable burner.

Fig. 1734.



The Arnold Sterilizer and Pasteurizer.



Physicians are quite unanimous in recommending cow's milk as the best substitute for mother's milk, but insist that it shall be Sterilized. Some say at high temperature (212°F), and others at low temperature (167°F).

THE ARNOLD STEAM STERILIZER

Is a cheap, simple, and reliable apparatus that can be used for *either high or low temperature Sterilizing*. Experiments in the principal laboratories of the country have proved that an unvarying temperature of 212°F. is maintained in this apparatus, and that milk treated therein for one hour is absolutely *free from all germs of disease*.

By simply moving the Condenser or Hood it is converted into a Pasteurizer, maintaining a temperature of 160°F to 167°F, which destroys most of the ordinary germs and does not injure the milk.

Thousands of mothers through the advice of their physicians are now using them for the preparation of infants' food with the most satisfactory results.

PRICE LIST.—(SEE ALSO PAGE 721)

No. 1,	HEAVY TIN, COPPER BOTTOM, WITH RACK, 7 BOTTLES, AND CLEANING BRUSH,	\$3.00
No. 2,	HEAVY TIN, COPPER BOTTOM, WITH RACK, 8 BOTTLES, AND CLEANING BRUSH,	\$3.50

EXTRA BOTTLES, 75 CENTS PER DOZEN.

Croup Attachment, with 10 inch Tube, 30 Cents. Additional Lengths, 10 Cents each.

Larger Sizes for Hospitals, Laboratories and Physicians' Offices. Prices and full Descriptions, with papers by eminent Physicians, sent free on application.

MANUFACTURED
ONLY BY _____

WILMOT CASTLE & CO., ROCHESTER,
NEW YORK.

FOR SALE BY CHAS. TRUAX, GREENE & CO.

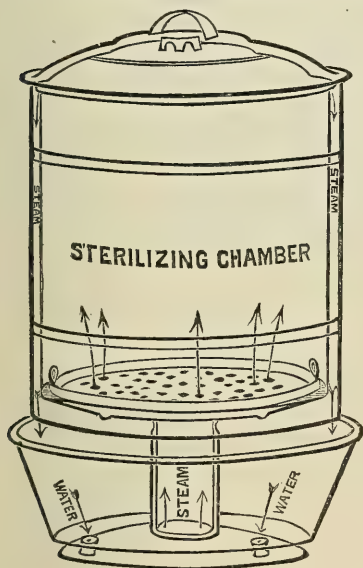
HAS **TRUAX & GREENE** & CO.

ARNOLD STEAM STERILIZERS

: : : : : FOR : : : : :

Hospitals, Laboratories and Physicians.

Steam properly applied is the most reliable and effective agent for Sterilizing. The Arnold Sterilizers produce *dry steam*, and an unvarying temperature of 100° C. (212° F.) in all parts of the sterilizing chamber can be relied upon. For this reason they are rapidly displacing all other methods heretofore employed by the prominent Institutions throughout the country.

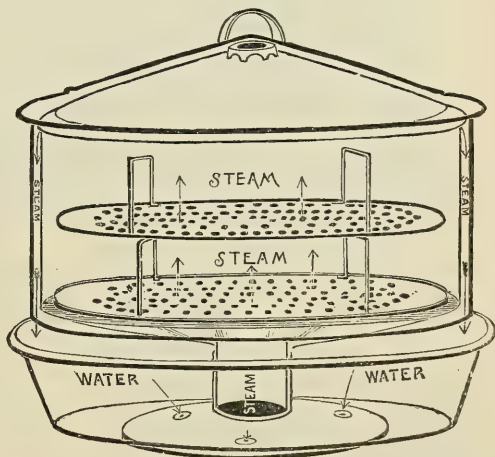


General Purpose Sterilizers.

Sizes of Sterilizing Chambers and Prices.

HEIGHT.	DIAMETER.	HEAVY TIN, COPPER BOTTOM.	ALL COPPER.
No. 2, 7¼ inch,	8½ inch,	\$2.50	\$7.00
No. 3, 10½ inch,	9¾ inch,	3.00	8.00
No. 4, 11½ inch,	10½ inch,	3.50	9.00
No. 5, 12½ inch,	11¼ inch,	4.00	10.00

SPECIAL SIZES TO ORDER.



Special Instrument Sterilizers.

Oval in shape. Fitted with two Racks; or one Rack and a Zinc Tray for Sterilizing instruments in a solution of Carbonate of Soda and Water; this prevents rusting.

Sizes of Sterilizing Chambers.

HEIGHT.	LENGTH.	WIDTH.	HEAVY TIN, COPPER BOTTOM.	ALL COPPER.
No. 14, 6 inch,	14 inch,	9¼ inch...	\$5.00	\$12.50
No. 16, 7 inch,	16 inch,	10½ inch...	6.00	15.00
No. 18, 8 inch,	18 inch,	12 inch....	7.00	17.50

SPECIAL SIZES TO ORDER.

HAS TRUAX GREENE & CO.

OFFICE AND HOSPITAL FURNITURE.

Fig. 1686. THE RYAN HEAD REST.

This invention enables the Physician or Surgeon to make use of a common chair in operating on any portion of the head. The joints are so arranged that any desired position may be obtained. It can be folded in small space for transportation.

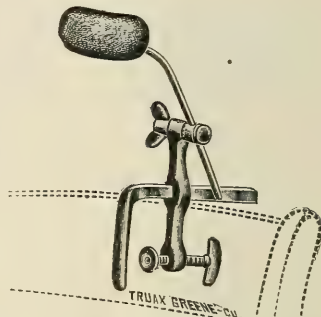


Fig. 1686. The Ryan Head Rest, \$2.50.

The case here illustrated is the design of Dr. E. H. Pratt of Chicago. It is intended for use in Sanitariums and Hospitals, not only as a receptacle for instruments and dressings, but as an instrument and wash stand to accompany an operating chair or table. The case is of finely finished oak. It is 30 in. high, 24 ins. wide, and 19 in. thick. The shelves are of French plate glass with ground edges.

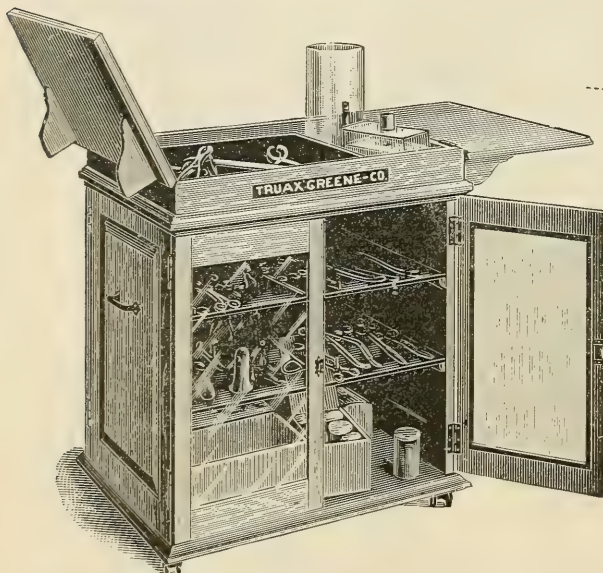


Fig. 1688. Dr. E. H. Pratt's Sanitarium Ward Case, \$35.00.

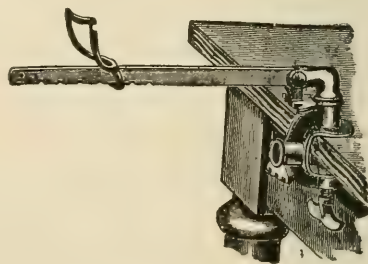
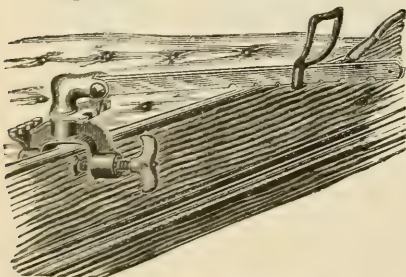


Fig 1689 NEW IMPROVED STIRRUP.

(PATENT APPLIED FOR.)

The above cuts show an improved stirrup which can easily be clamped to a *Table, Chair or Bed Frame*, also to many of the old style (Iron Frame) of Gynecological Chairs. Can be adjusted at any angle, at the same time the stirrup proper can be made to extend out to end of rod, when in either position will remain rigid without the aid of binding screws. No physician should be without them.

Price per pair, nickel plated Stirrup and Bar with enameled clamp.....\$5 00

HAS TRUAX & GREENE & CO.

HOSPITAL FURNITURE

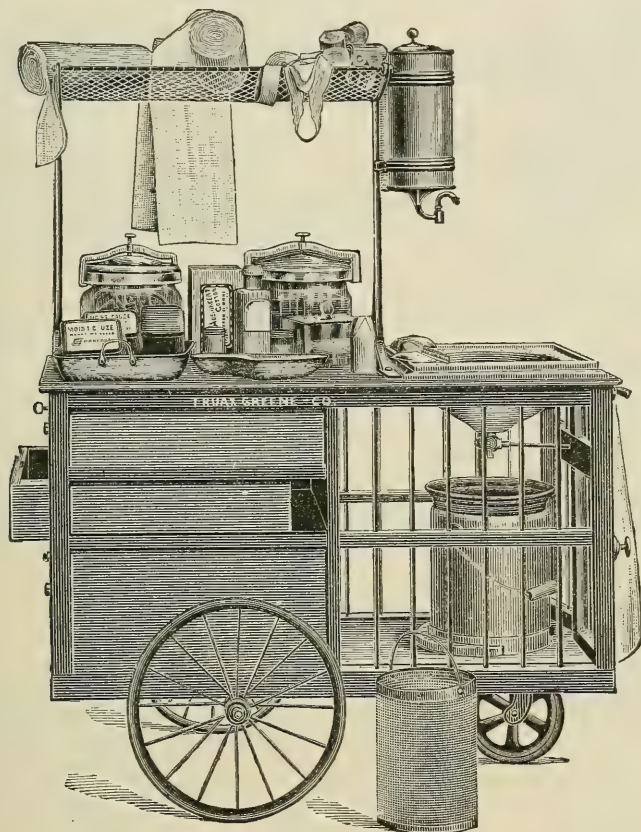


Fig. 1744. NECKER HOSPITAL WHEEL CARRIAGE.

Price, with wash bowl and slop bucket.....\$100 00

These carriages are made from a model brought direct from Paris. It is the pattern in use in each of the wards in Necker hospital. After examining the patterns in use in most of the better equipped hospitals of the world, we selected this as being one of the most desirable. They are well made from hardwood, have rubber-tired wheels on steel axles. The bowl is of porcelain, while the upright rack for dressings is of wrought iron. The whole apparatus combines many desirable features in the one appliance.



HOSPITAL FURNITURE.



Fig. 1748. Truax, Greene & Co's Single Aseptic Wash Bowl, \$6.00.



Fig. 1749. Truax, Greene & Co's Double Aseptic Wash Bowl, \$9.00.

These stands are manufactured from wrought iron, closely jointed and neatly painted. The bowls are of granite ware and of a size easily duplicated.



Fig. 1751. Truax, Greene & Co's Single Aseptic Wash Stand, \$8.00.

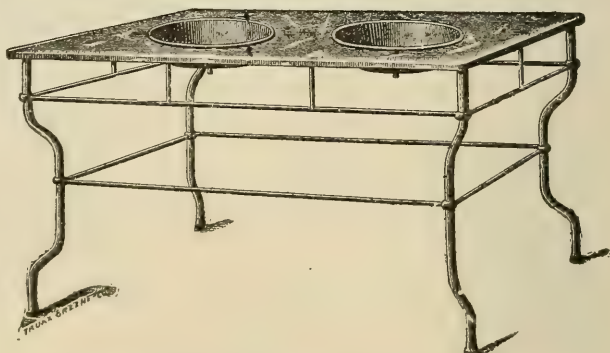


Fig. 1752. Truax, Greene & Co's Double Aseptic Wash Stand, \$50.00.

The larger of these stands is made with hollow wrought iron legs and solid brace rods of the same material. The stand is large and well made as it is calculated to be used in connection with the operating table. The bowls are of porcelain. The smaller one is made solid with granite bowl.

HAS TRUAX GREENE & CO.

HOSPITAL FURNITURE.

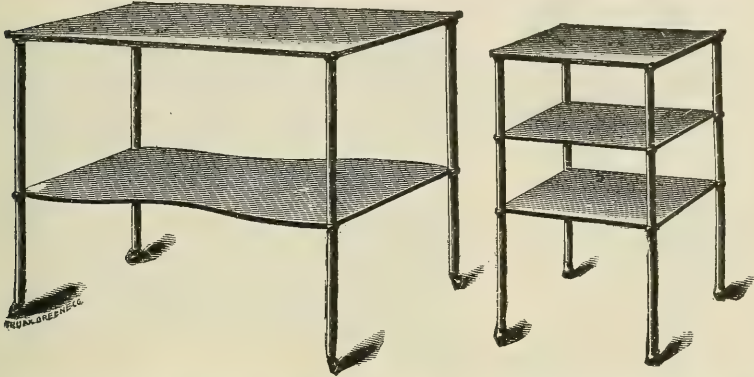


Fig. 1754. Large aseptic Instrument Stand with heavy plate glass top. Length 32 in., width 24 in., height 33 in. Price \$25.00.

Fig. 1755. Small aseptic Instrument stand with plate glass top. Length 18 in., width 14 in., height 31½ in. Price \$15.00.

Figs. 1754 and 1755 represent two tables manufactured entirely from wrought iron with joints and connecting parts made as near aseptic as possible. They are made with white enamel finish, presenting a clean and neat appearance. Fig. 1754 is provided with a heavy plate glass top, ¾ inches thick, while the glass on Fig. 1755 is ½ thick. They are furnished with or without castors.

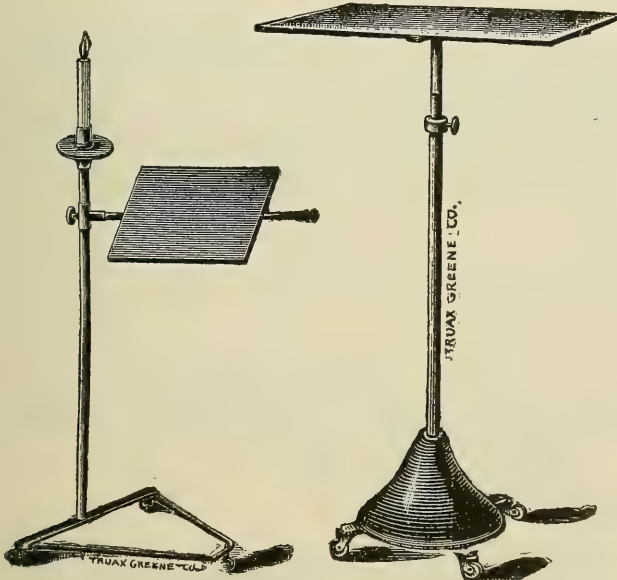


Fig. 1756. Aseptic Book Rest and Candle Holder, \$12.00.

This is made of wrought iron, neatly painted. The book rest may be placed at any height and extended over a bed or cot. The candle shelf may be used for water, to hold a plate or for medicine.

Fig. 1757. Adjustable Stand for operating table or cot. Size of top 14x20 in. Adjustable to any height, \$15.00. This stand has an extra heavy base, and can be supplied with or without castors.

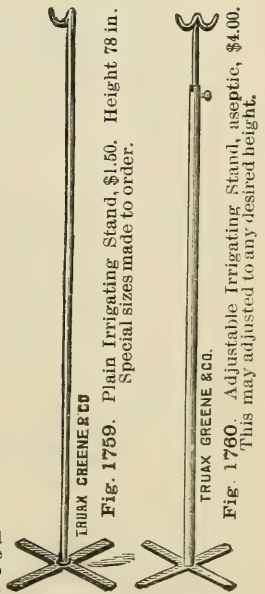


Fig. 1759. Plain Irrigating Stand, \$1.50. Height 78 in. Special sizes made to order.

Fig. 1760. Adjustable Irrigating Stand, aseptic, \$4.00. This may be adjusted to any desired height.

Irrigating Stands, plain or adjustable, manufactured to order.

HAS TRUAX GREENE & CO.

HOSPITAL FURNITURE.

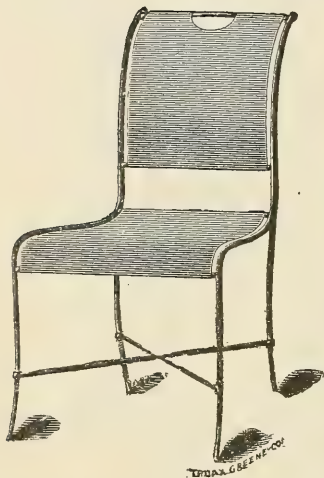


Fig. 1763. Aseptible Wrought Iron Chair\$7 50
Manufactured from the best wrought iron, closely joined and neatly painted.

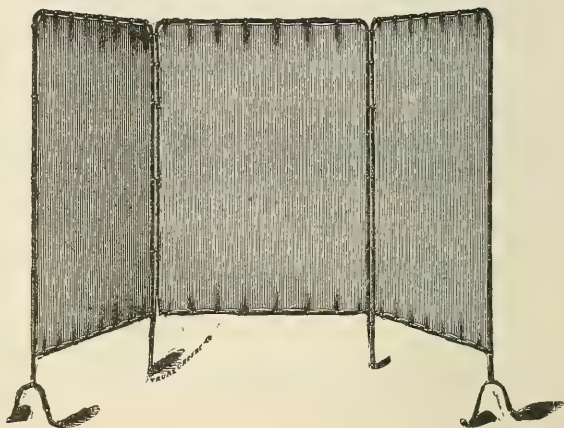


Fig. 1764. Aseptible Wrought Iron Screen Frame...\$9 00
The price for this screen does not include cloth—which may be of any desired pattern. It may be put on with buttons so as to be removed for cleaning.

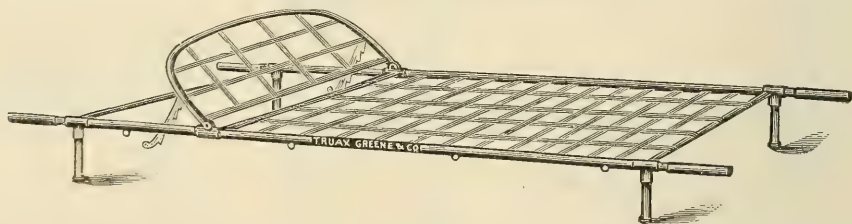


Fig. 1768. Truax, Greene & Co's wrought iron stretcher, with band iron support for mattress or blankets. Supplied with adjustable head rest.....\$20 00



Fig. 1769. TRUAX, GREENE & CO'S FOLDING STRETCHERS.

Price\$6 00
The bars of these stretchers are made from selected hardwood, while the cross-pieces are of wrought iron, firmly fastened at their ends with bolts. These cross-pieces are constructed so they will fold up, thus securing great compactness for storage or transportation. The canvas is of heavy quality, firmly secured to the side-bars. We can furnish these made from an endless piece of canvas, passing around and across both side bars, at an additional cost of 35 cts. each. This allows its removal for washing, and its use as a wrapper for the side-bars and cross-pieces.



HOSPITAL FURNITURE.

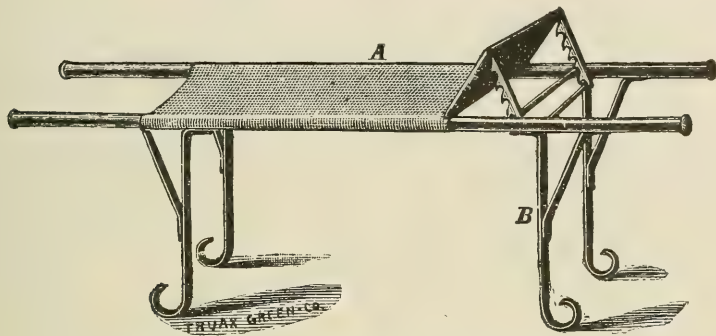


Fig. 1772. BERLIN STRETCHER.

Price.....\$25 00

This is adjusted to the height of an operating table, so that patients may safely be removed from one to the other. They are of wrought iron, well made. This same pattern furnished with plain rubber covered wheels at an additional cost of \$10.00.

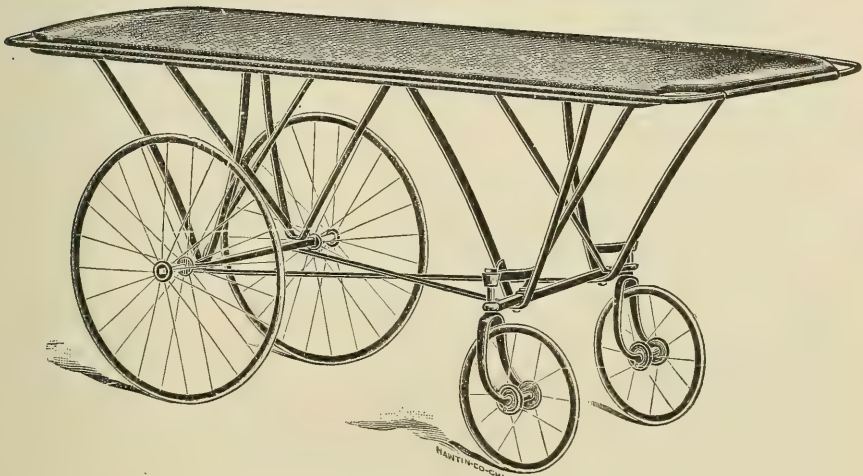


Fig. 1773. HOSPITAL WHEEL TABLE.

Price.....\$35 00

This table has a removable padded top covered with oil cloth, and supplied with openings at the corners to afford places for grasping. It may be used as an ordinary stretcher and will pass through a 28-inch doorway. The frame is of wrought iron, finished in black and will sustain a weight of 600 pounds. It rests on two 24-inch and two 12-inch rubber tire steel suspension wheels. The latter are attached to a swivel so they will turn in any direction; length 72 in., width 26 in., height 34 in.



HOSPITAL FURNITURE.

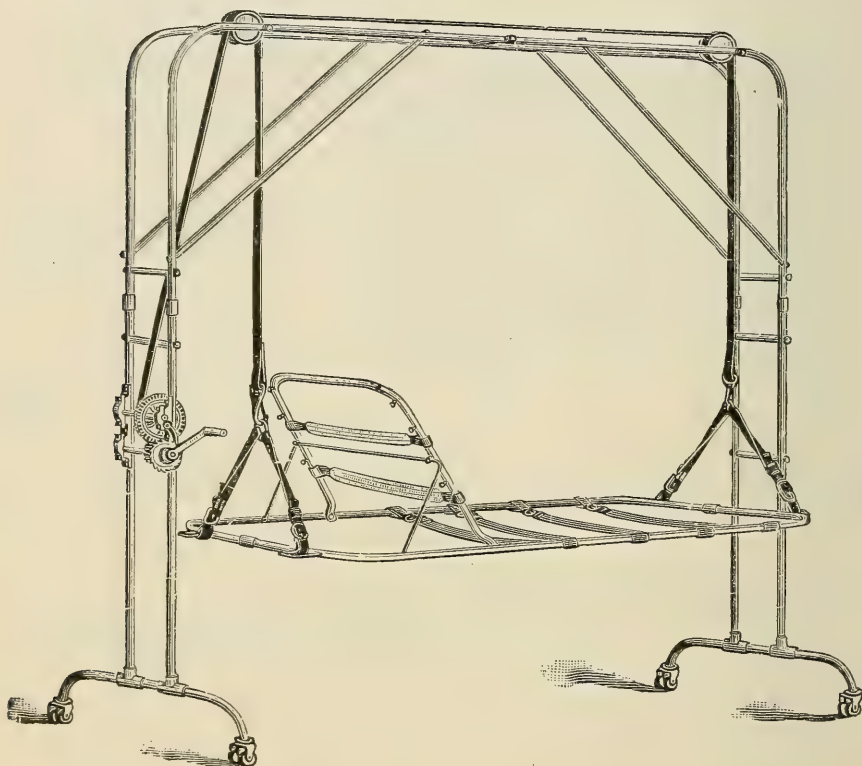


Fig. 1775. INVALID LIFTING MACHINE FOR HOSPITALS.

Frame 7 feet long by 7 feet high, price.....\$45 00

The Lifter can be used over any bedstead. It is made of gas pipe, hence very light and strong. Fixed double wheel castors are used on this Lifter.

The back rest used on this Lifter can be attached to any of our iron bedsteads at a small cost. The Lifter is shipped detached and is easily set up with right and left hand sockets.

DIRECTIONS FOR USING LIFTER.—Remove straps from one side of frame, with back rest let down. Place swinging frame over patient, then slip straps under him and buckle to the side bar. Place the machine over the bed and hook to it the swinging frame, then raise patient by turning handle of windlass.

HAS TRUAX & GREENE & CO.

HOSPITAL FURNITURE.

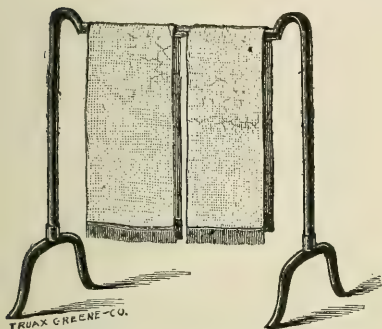


Fig. 1788. Aseptic Wrought Iron Towel Stand, \$4.00.

Made from best wrought iron, enamel painted.

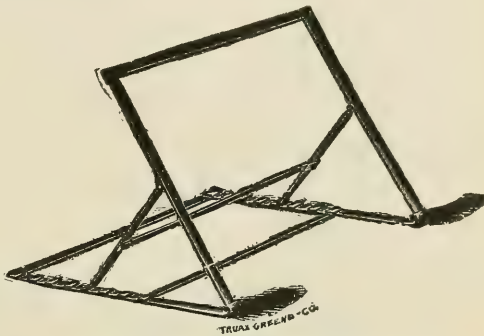


Fig. 1789. Wrought Iron Head Rest, \$7.50.

This we supply without cloth. The latter can be made to attach with buttons, so as to be removed for washing.

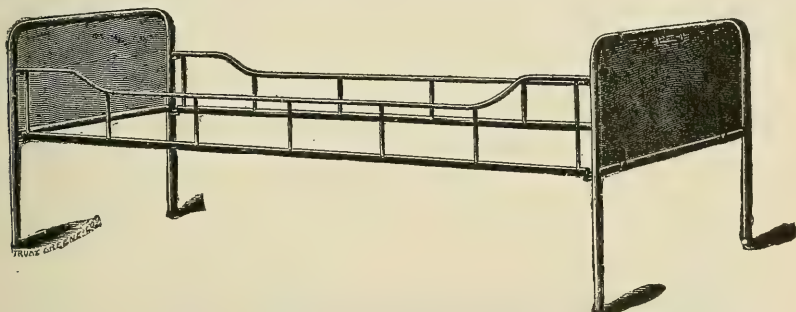


Fig. 1790. BERLIN ASEPTIC HOSPITAL BED, WITH RAIL.

Price, without Mattress.....\$15 00

These beds are made of the best wrought iron, carefully jointed. The rails are easily removed for cleaning, the connecting parts being made aseptic. The head and foot boards are of wood, secured in place by metal clamps. The large parts are made hollow to secure strength, combined with lightness. Length, 78 in.; width, 36 in. These beds can be used with a woven wire mattress, or with cloth bands.



Fig. 1791. MERK'S ASEPTIC HOSPITAL BED.

Price.....\$17 50

This bed is made from the celebrated Hamburg pattern. It is of a neat design, strongly made, and with few joints. It can be taken down for cleaning, and has aseptic joints. The head and foot boards are of iron, and the entire bed is of the best possible construction. The large parts are hollow. The sizes are the same as Fig. 1790.



HOSPITAL FURNITURE.

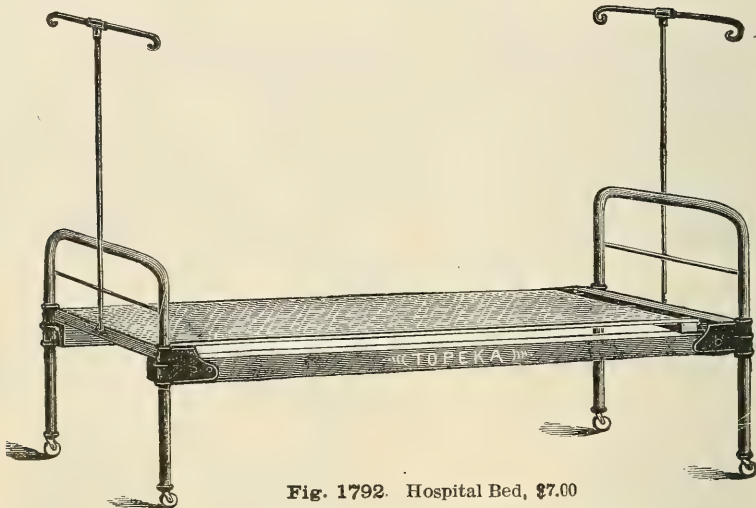


Fig. 1792. Hospital Bed, \$7.00

Fabric, Woven Wire. Frame, wood, with double end and extending bolts as shown. Legs wrought iron pipe. Cross rods milled and securely riveted. Legs pass through corner castings. Mattress can be raised or lowered at will. With or without canopy. Wood varnished, iron japanned, projections bronzed. Size, length 75 inches, width 36.

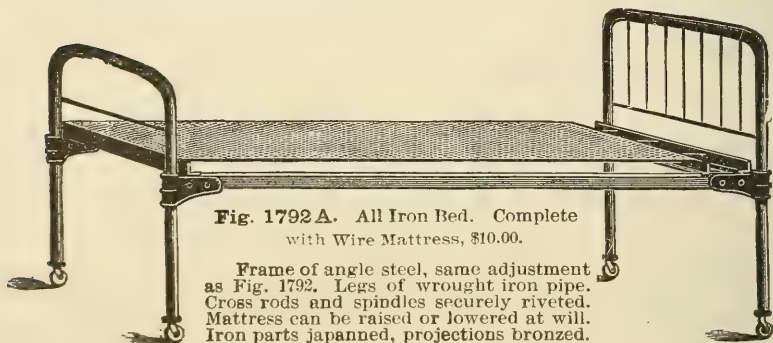


Fig. 1792 A. All Iron Bed. Complete with Wire Mattress, \$10.00.

Frame of angle steel, same adjustment as Fig. 1792. Legs of wrought iron pipe. Cross rods and spindles securely riveted. Mattress can be raised or lowered at will. Iron parts japanned, projections bronzed.

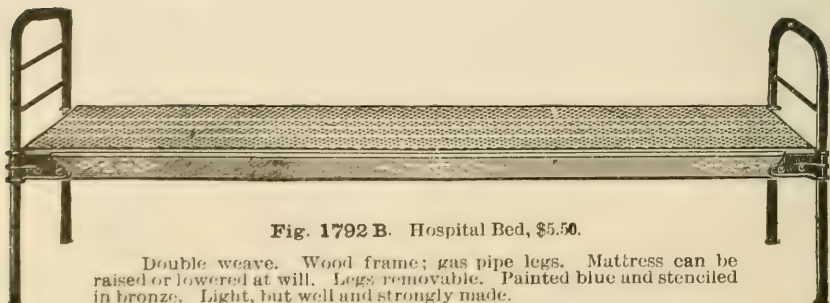


Fig. 1792 B. Hospital Bed, \$5.50.

Double weave. Wood frame; gas pipe legs. Mattress can be raised or lowered at will. Legs removable. Painted blue and stenciled in bronze. Light, but well and strongly made.



HOSPITAL FURNITURE.

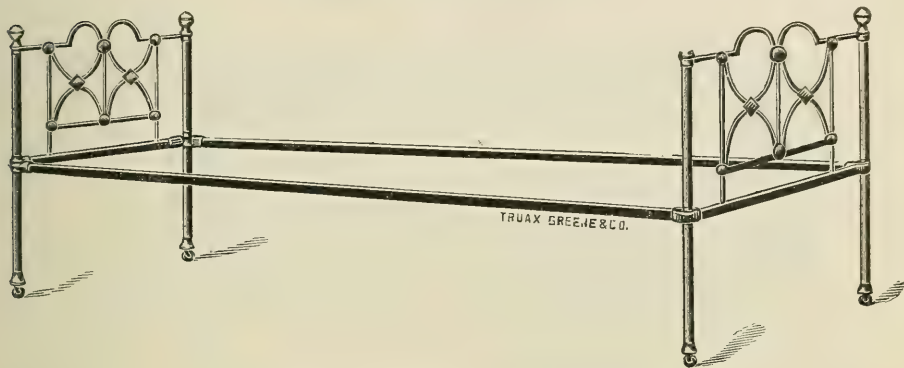


Fig. 1793. PLAIN IRON BEDSTEAD.

Price each.....\$6 00. Mattress extra.

This is a cheap, plain bed 3 feet wide and 6½ feet long. It is not adapted for hospitals where aseptic methods are much in use. Where price is much of an object it may be desirable. It is readily taken to pieces for moving or cleaning.

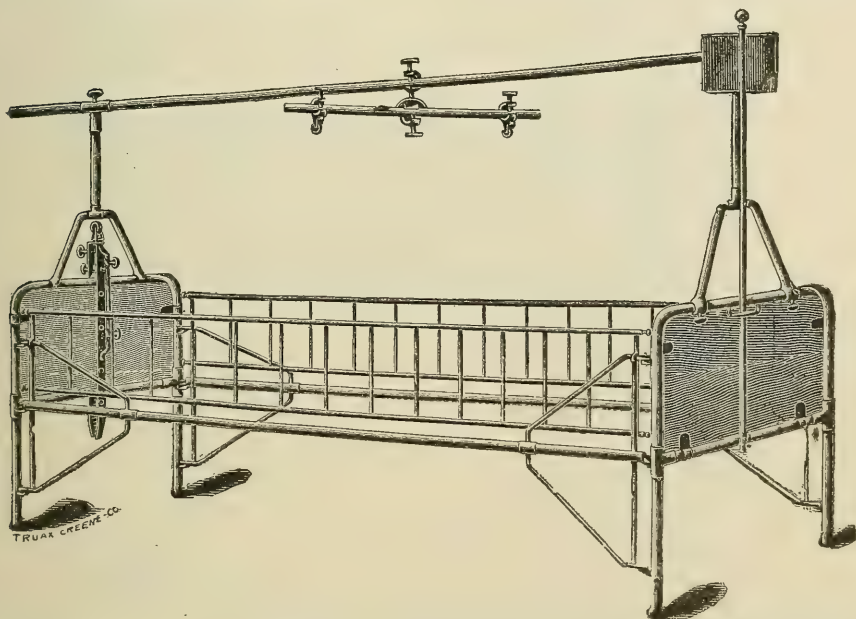


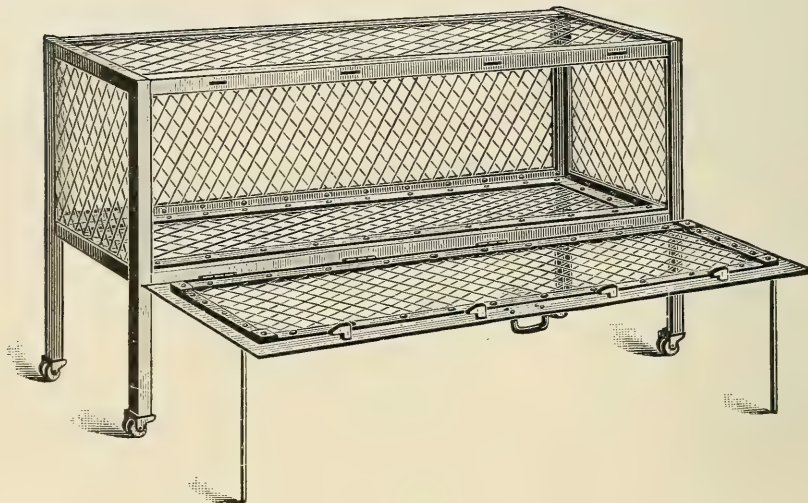
Fig. 1795. TRUAX, GREENE & CO'S WROUGHT IRON FRACTURE BED.

Price each.....\$60 00

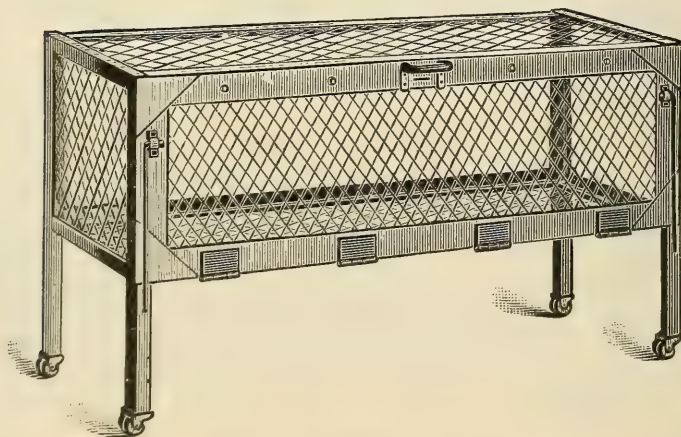
This bed is the same as our Fig. 1791 with the addition of side rails, suspension frame and extension apparatus. They are complete with the exception of the necessary splints and mattress. An ordinary woven wire mattress may be used or cloth bands may be made so that they may be removed for washing. The suspension apparatus and side rails are removable that the bed may be used as an ordinary cot. Height over all 66 in., length 78 in., width 36 in.



HOSPITAL FURNITURE.



(OPEN.)



(CLOSED.)

Fig. 1794. PROTECTION BED FOR THE INSANE.

Size, 6 feet 3 inches by 2 feet inside, weight 350 lbs., price.....\$65 00

This bed is double the strength of anything ever before manufactured for the purpose, and is provided with four spring locks opened by one key, the catches being placed at equal distances, thus equalizing the strain.

The frame is heavy angle steel, with net work of No. 5 wire, all enameled black. Heavy double wheel castors are used on this bed. The door is so constructed that a patient can be laid on it and easily rolled into the bed and at the same time the door can be closed and locked.

HAS **TRUAX** **GREENE** & CO.

HOSPITAL FURNISHINGS.

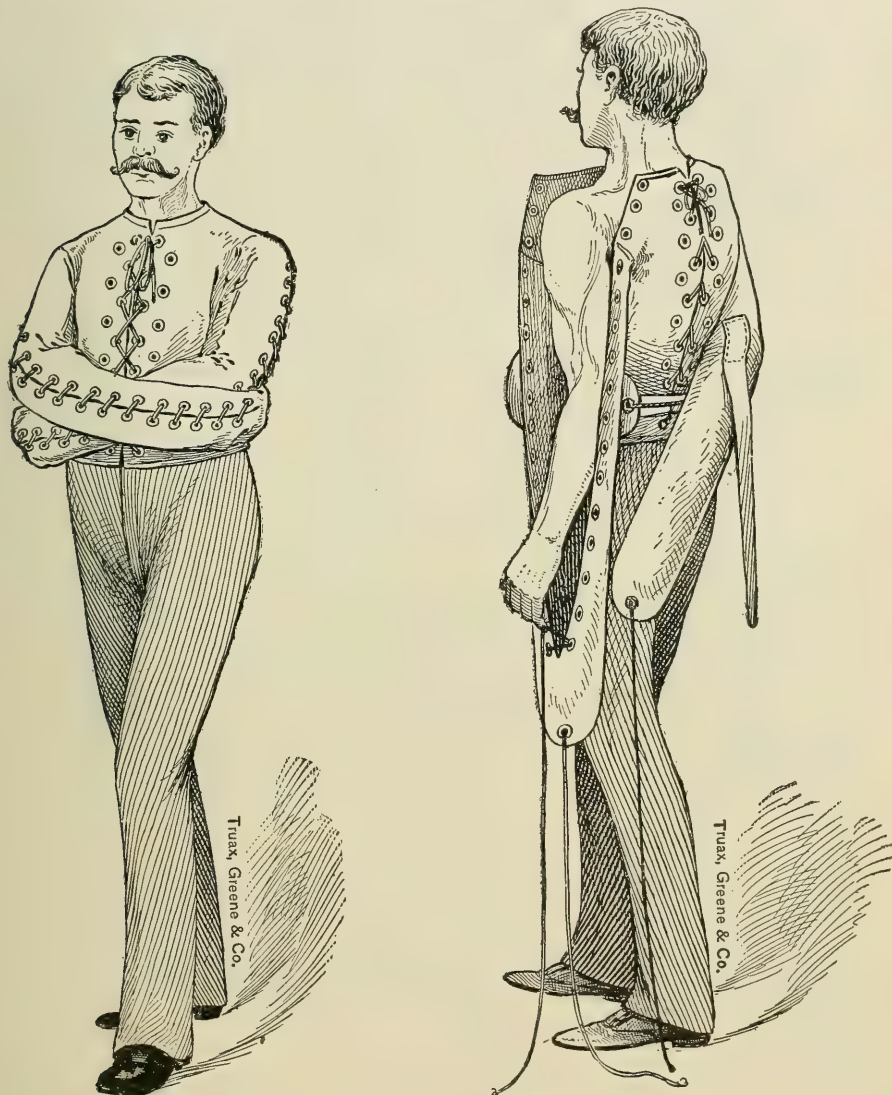


Fig. 1795. THE LOWEY CAMISOLE.

Price, net.....\$10 00

Manufactured from heavy Ducking.

This Camisole is designed to be used where restraint must be applied to secure good results when the patient is suffering from bodily injury or ailment. By its use in cases of fracture, the physician can always be cognizant as to the condition of the injured member. Dressing can be easily changed. Should the patient be in bed, dressing, etc., can be changed without raising the patient to the sitting posture. Each arm is put in restraint separately by means of the attachment at the elbow, hence we are enabled to place the uninjured member in greater restraint than the injured one. The arms when in restraint are in a natural and comfortable position.

HAS TRUAX (TRU) GREENE & CO.

OFFICE AND HOSPITAL FURNITURE.

Fig. 1796. CIRCULAR GLASS INSTRUMENT STAND.

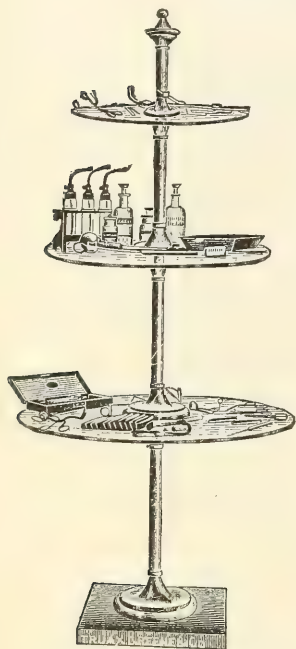


Fig. 1796. Circular Glass Instrument Stand, \$25.00.

This stand is one of the neatest of all devices on which to lay instruments that they may be within easy reach when wanted. The case has a metal standard neatly polished and nickel plated. The shelves are of heavy plate glass with smoothly ground edges. The case is 55 inches in height, while the shelves are 16 in., 20 in., and 24 in. each in diameter. The combination affords a neat and very attractive piece of office furniture for the specialists of all classes. The stand can be separated for shipments, and compactly boxed.

Fig. 1796 A. TRUAX, GREENE & CO'S WROUGHT IRON BOTTLE STANDS.

With 2, 4, 6 or 8 Bottles.

2 Bottle Stand....	\$25 00	6 Bottle Stand....	\$55 00
4 " "	40 00	8 " "	70 00

These stands afford a ready means of transporting fluids from one portion of a Hospital to another. The base is made wide to insure safety. The bottles are easily removed and the parts securing them are covered with soft rubber. The bottles hold 2 gallons each, and are supplied with ground glass stoppers. Each bottle is suspended separately on a hinged frame, so that fluid may be poured from it by simply tipping it.

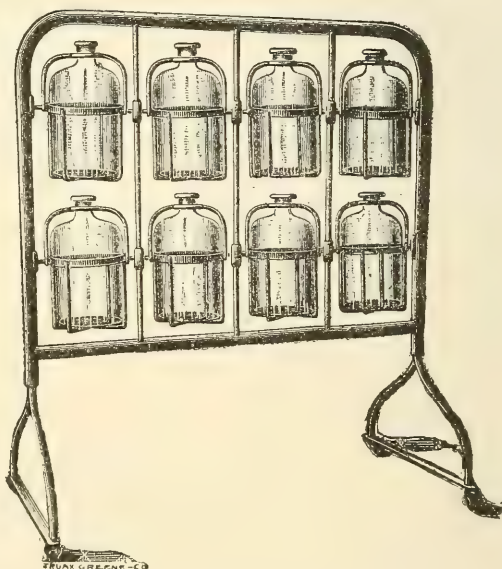
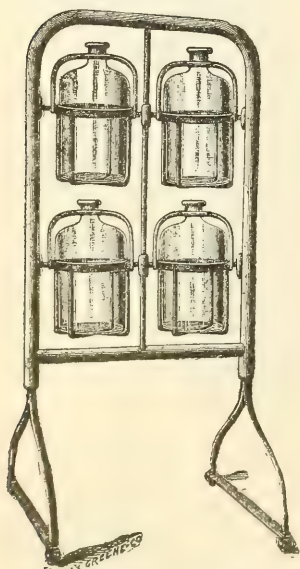


Fig. 1796 A. Truax, Greene & Co's Wrought Iron Bottle Stands, with 2, 4, 6 or 8 bottles.



OFFICE FURNITURE.

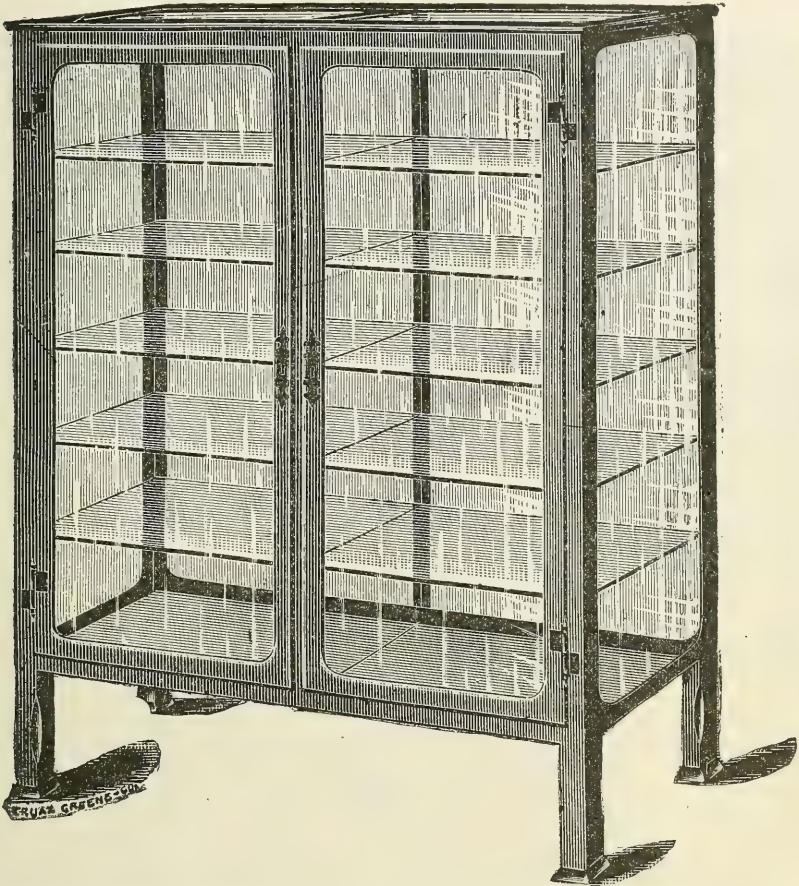


Fig. 1797. TRUAX, GREENE & CO'S ASEPTIC INSTRUMENT CASE, Nos. 1 AND 3.

These cases are manufactured, either with a white enamel finish or nickel plated. The frame of the case is constructed from the best of wrought iron, carefully and closely united at every joint. Every care is taken to render them as aseptic as possible. The enamel finish cases are made entirely of iron and glass, and, while they do not present as handsome an appearance as the nickel plated ones, they are equally as well made and therefore fully as durable. The nickel plated patterns are made with the same wrought iron frame as those above mentioned, but the outer portion or covering is manufactured from brass highly polished and nickel plated. For office and private hospital use they are to be preferred. Only the best French plate glass is used in these cases. Shelves have ground edges.

SIZES AND PRICES.

No. 1.	Height	60 inches,	width	48 inches,	depth	18 inches.	Enamel finish.....	\$175 00
No. 2.	"	60 "	"	48 "	"	18 "	Nickel plated	225 00
No. 3.	"	54 "	"	36 "	"	16 "	Enamel finish.....	140 00
No. 4.	"	54 "	"	36 "	"	16 "	Nickel plated.....	185 00

Similar Cases of special sizes made to order.



OFFICE FURNITURE.

**Fig. 1742. TRUAX, GREENE-CO'S
ASEPTIBLE INSTRUMENT
CASES.**

There is perhaps no investment made by the physician that yields better returns than that spent to beautify and adorn his office, particularly if the articles selected for this purpose are of a nature to interest his patrons in his equipment to serve them according to the latest methods of improved surgery. A display of surgical appliances and instruments neatly arranged in any of our instrument cases forms at once a quiet, ethical yet far reaching advertisement, besides furnishing a safe and clean repository for instruments when not in use. Physicians and Surgeons who are well provided with the latest improved surgical armamentariums

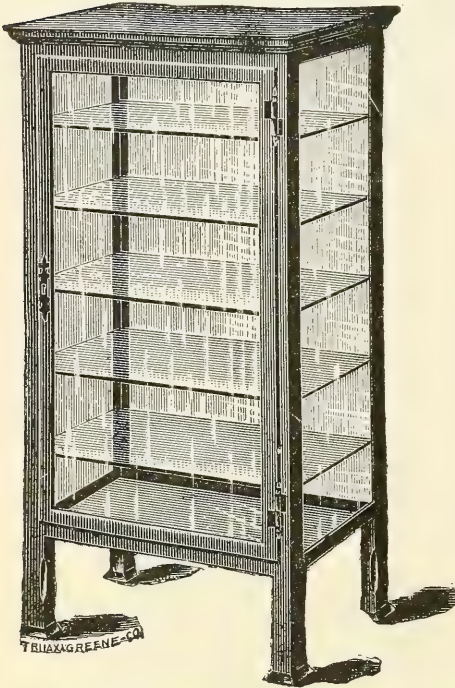


Fig. 1797 A. Truax, Greene-Co's Aseptic Instrument Case, Nos. 5 and 6.

should not hesitate to make the fact known to their friends and patrons. It is for these two purposes that we offer the cases shown on this and the preceding page. They are described in detail on the preceding page.

		Height.	Width.	Depth.	Plain Enamel.	Nickel Plated.
No. 5	60	27	18	\$115 00	\$150 00	
No. 6	54	20	16	100 00	135 00	
No. 9	45	25	20	60 00	80 00	
No. 10	30	20	16	50 00	70 00	

Nos. 9 and 10 plain enamel, may be fastened to a wall, or placed on a table or stand.

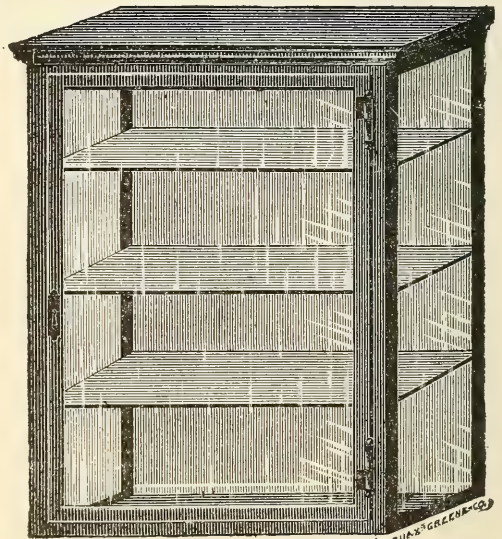


Fig. 1797 B. Truax, Greene-Co's Aseptic Instrument Case, Nos. 9 and 10.



OFFICE FURNITURE.

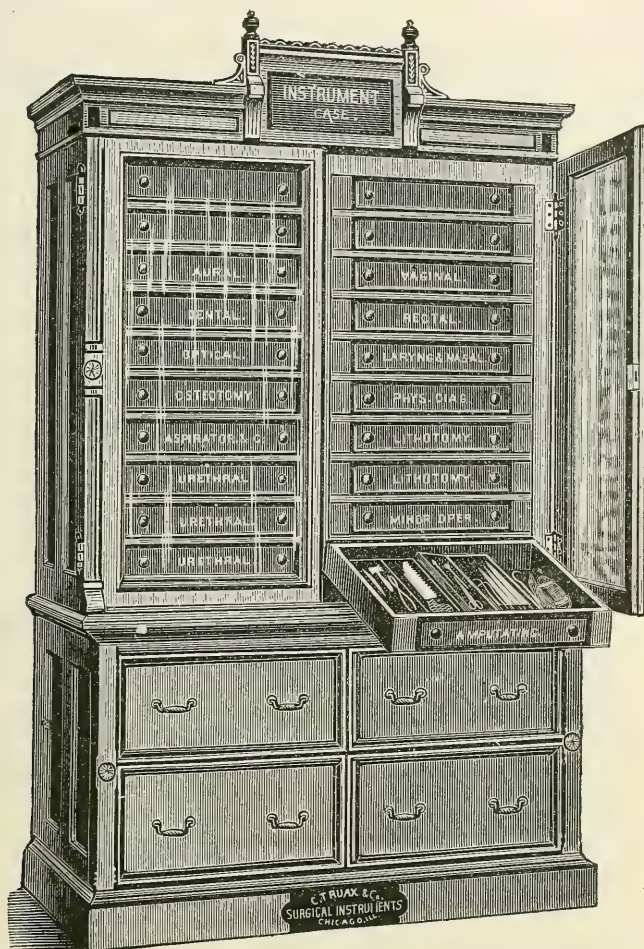


Fig. 1797C. CHAS. TRUAX, GREENE & CO'S ORIGINAL SURGICAL INSTRUMENT CASE.

We have designed this case to meet the wants of many surgeons who have a fine set of instruments, but no suitable case in which to keep them. The case is 4 feet wide, 20 inches deep and 6 feet high; the top has twenty drawers, covered by glass doors, with Yale lock, and is separable from the base, for convenience in transporting. It is elegantly finished in polished walnut, and makes an attractive piece of office furniture.

We can fit sets of instruments into each drawer, carving spaces for them in the same manner as in our amputating cases. Price, \$100.00.

Drawers lettered in gold, \$10.00 extra. Fitting instruments and lining with fine purple or crimson velvet, \$30.00 to \$50.00 extra, according to work required.

CHAS. TRUAX & CO. GREENE & CO.

OFFICE FURNITURE.

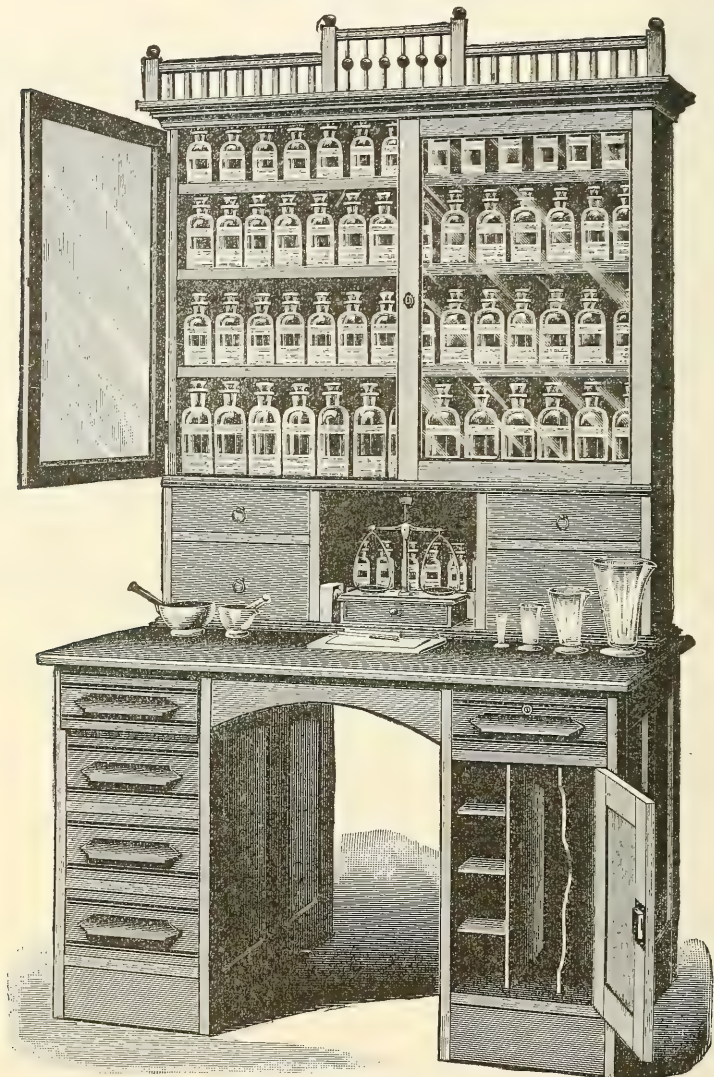


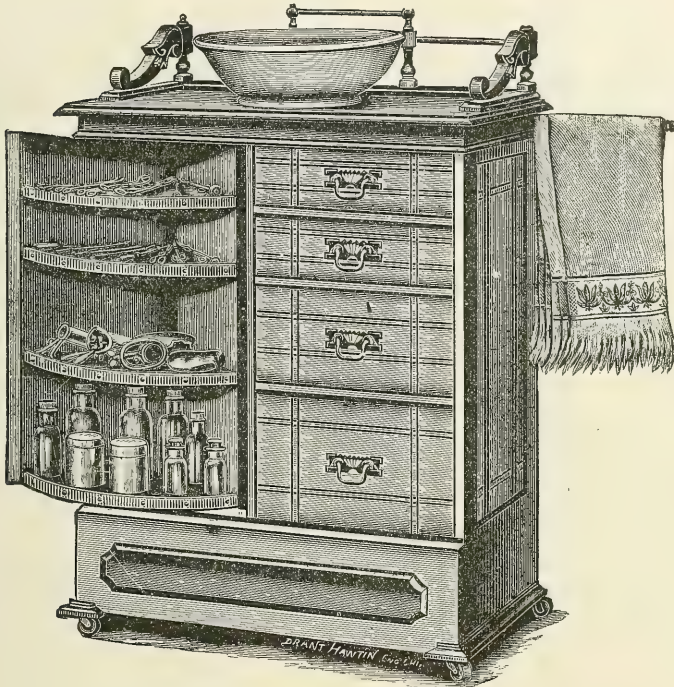
Fig. 1797 D. CHAS. TRUAX, GREENE & CO'S DISPENSING CASE.

This case is admirably adapted to the use of physicians who dispense medicines from their offices, and forms a neat and attractive piece of office furniture. It is made of oak, handsomely finished, and is arranged so as to economize space to the best advantage. It is 48 inches wide, 28 inches deep at the base, 7 feet high, and will be found large enough to meet the wants of those doing a good dispensing business. The bottom portion is so constructed that it may be removed and used as an office desk. Bottles and furniture extra.

Price, crated ready for shipment.....	\$45 00
Same, without glass doors.....	41 00

CHAS. TRUAX & CO. GREENE & CO.

OFFICE FURNITURE.



OPEN.

Fig. 1798. TRUAX, GREENE & CO'S PHYSICIAN'S CABINET.

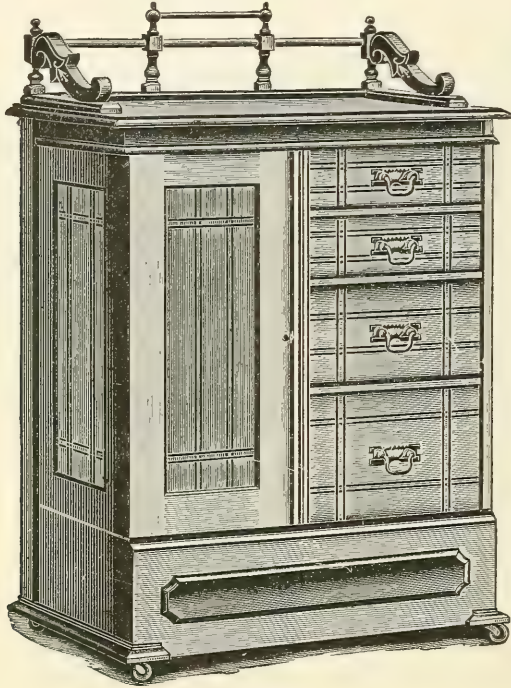
Price.....\$15 00

This cabinet was originally designed by a member of our firm, and the fact that it has been copied by several manufacturers and is now being sold by several surgical instrument dealers as their own, is ample evidence of its popularity among physicians.

The idea of the designer was to combine a small dressing case with a surgical instrument cabinet, so that when closed, as shown in Fig. 1221, the instruments would be out of the way of dust and dirt, and that when opened, by a single movement, every instrument would be in sight and within easy reach.

HAS TRUAX & CO GREENE & CO

OFFICE FURNITURE.



CLOSED.

Fig. 1798. TRUAX, GREENE & CO'S PHYSICIAN'S CABINET.

Price, each. \$15 00

This cabinet was intended for the use of such of the profession as have provided themselves with an operating chair or table, and who, having a good outfit of instruments, are without a suitable place in which to keep them.

As shown above, the cabinet is closed, a single Yale Lock fastening the cylinder and drawers at the same time. As illustrated on the preceding page, the cylinder is shown partially revolved so that its contents are within both sight and reach of the operator.

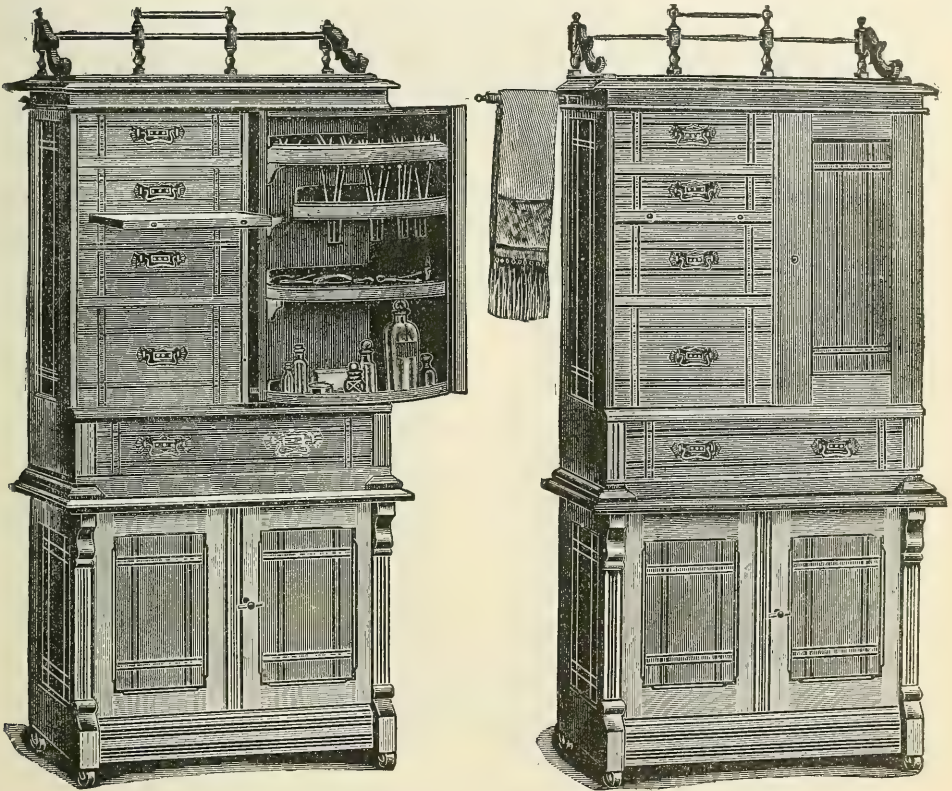
These illustrations were copied from photographs, and thus show the cylinder on the left hand. They are, however, made upon the right hand side.

This cabinet is a valuable addition to an office outfit, for not only will it enable the physician to take better care of his instruments, but if put to a proper use, he will always know where to find them, a point many of the profession will no doubt appreciate.

They are made of walnut, finished in oil, with railing of brass rods. Height to top of railing, 40 inches. Size of top, 16 x 28 inches.

HAS TRUAX & GREENE & CO.

OFFICE FURNITURE.



No. 2 PHYSICIAN'S CABINET, OPEN AND CLOSED.

Net price.....\$25 00

This is a modification of our regular Cabinet shown on the previous page. For some classes of specialists it is an improvement on the original design, as the instruments when placed in it are much higher from the floor.

It comprises four small and one large drawer, a revolving compartment with four movable shelves which can be turned outward, thus bringing the instruments conveniently within reach of operator.

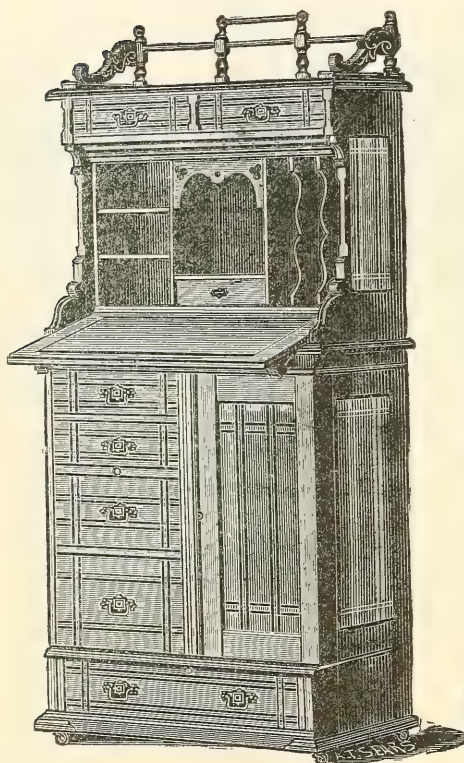
The lower part of the Cabinet is large enough to hold basin, towels, etc. By closing and locking the revolving compartment, the four opposite drawers are also securely fastened.

Height of Cabinet to railing,	63 inches.
Width “ “ “	28 “
Depth “ “ “	16 “

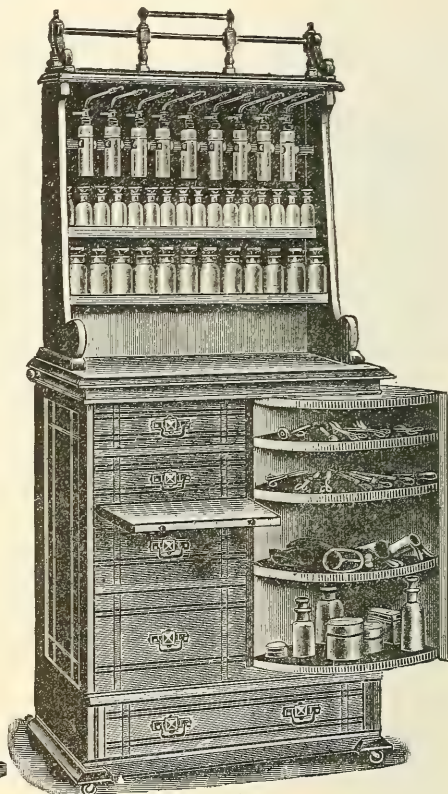
We make them in antique oak and walnut. The mountings are nickel-plated, and the castors are of boxwood.

CHAS. TRUAX & CO. GREENE

PHYSICIANS' CABINETS.



PHYSICIANS' CABINET, No. 3.



PHYSICIANS' CABINET No. 4.

Our No. 3 Cabinet, as shown above, is similar to the ones shown on pages 861 and 862, with the addition of a desk top. It will be seen that this forms an economical piece of furniture, supplying as it does both office desk and instrument cabinet.

Our No. 4 Cabinet is a modification of our original design by Dr. J. E. Rhodes, (Chicago), who has filled a "long felt want" among laryngologists. It comprises our regular cabinet as described on pages 861 and 862, surmounted by a neatly designed top containing two shelves for bottles, and clasps for spray tube bottles, such as the Davidson pattern No. 66. The advantages of a case of this pattern are apparent to every specialist in this line, and the case for this purpose will doubtless be quite a popular one.

Price of No. 3 cabinet, in antique oak or walnut.....	\$25 00
Price of No. 4 " " " without bottles or tubes, 25 00	
Price of No. 4 " " " with nine Davidson's	
sprays, with clasps for each.....	36 50
Price of No. 4, same, with 17 one-ounce and 12 two-ounce salt mouth or	
tincture bottles.....	38 00

HAS TRUAX GREENE & CO.

OFFICE FURNITURE.

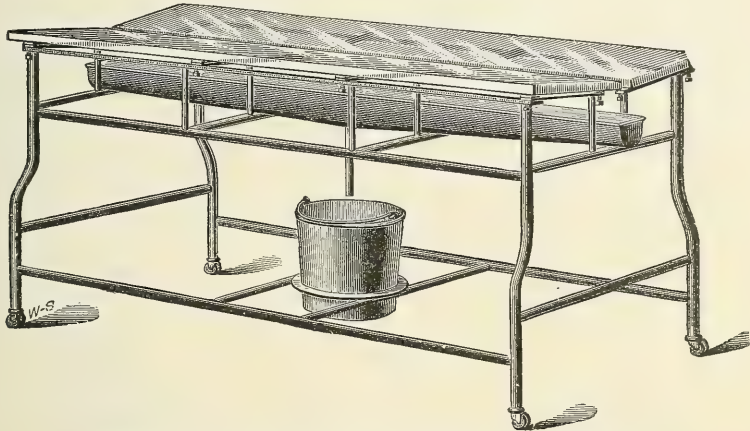


Fig. 1795. HAMBURG OPERATING TABLE.

Price.....\$75 00

This Table has a strong, well made hollow frame mounted on castors. The top consists of two pieces of heavy glass each about one inch in thickness. It is 66 inches long, 28 inches wide and 36 inches high; a slot or space remains in the center of the table through which any fluids may pass, falling into a long copper drip pan extending the full length of the table. From this drip pan a tube leads into a slop bucket below.

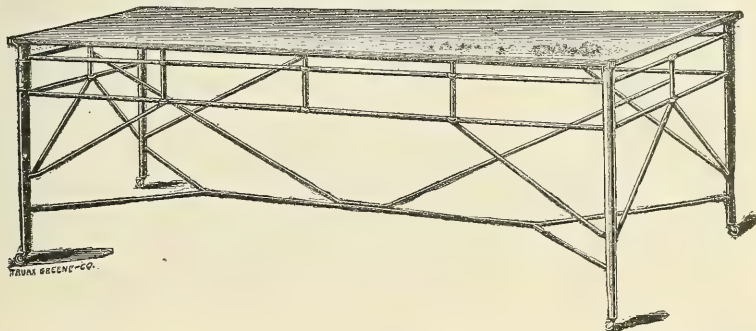


Fig. 1796. SONNEBERG'S ASEPTIBLE OPERATING TABLE WITH GLASS TOP.

Price.....\$75 00

This Table as carried in stock is 75 inches long, 21 inches wide and 34 inches high, but can be made of any desired size. The frame and brace rods are manufactured from wrought iron with well fitting joints. There being no movable parts the table can easily and thoroughly be cleaned. The top is a single piece of plate glass one inch in thickness resting on 10 rubber cushions or buttons. The iron part is covered with white enameled paint so that it may be washed or scrubbed. We will furnish this table with removable stirrups at an additional cost of \$8.00, and with a set of Gynapods at an additional cost of \$15.00.



OFFICE FURNITURE.

Rotters' Aseptible Operating Table, as shown in the illustration consists of a stout iron frame 6½ feet long, 21 inches wide and 34 inches high. The top consists of two plates of very heavy glass, iron or wood, each inclining toward the center. The table may be used plain the same as Fig. 1795, or in connection with the head rest or leg support. The latter attachments are easily removed from the table when not wanted. This table seems to meet every requirement for those who wish an aseptible table capable of being placed in different positions.

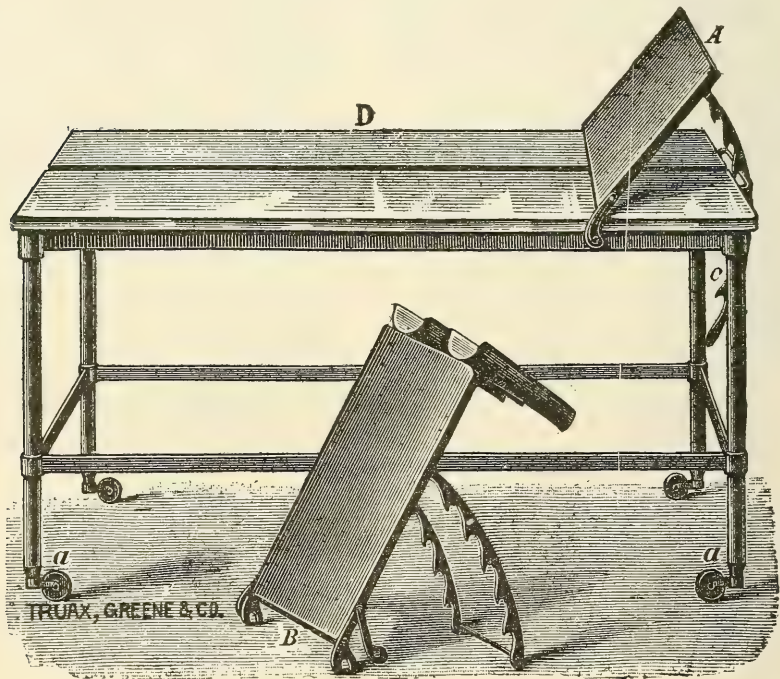


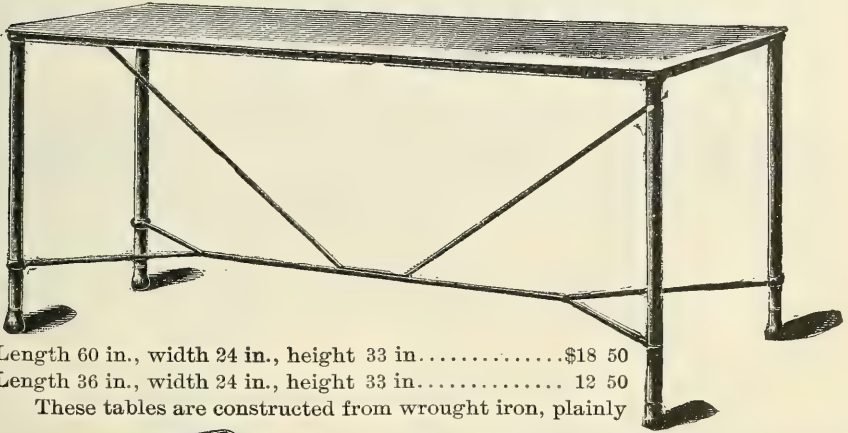
Fig. 1797. ROTTERS' ASEPTIBLE OPERATING TABLE.

Price with Top of Polished Glass Plates 1 inch thick.....	\$60 00
“ “ “ Hardwood.....	40 00
“ “ “ Wrought Iron.....	45 00
Price Extra for Head Rest.....	10 00
“ “ Leg Rest or Holder.....	15 00
“ “ Heavy Castors.....	2 00



HOSPITAL FURNITURE.

Fig. 1799. PLAIN ASEPTIBLE WROUGHT IRON TABLE.



Length 60 in., width 24 in., height 33 in.....\$18 50
 Length 36 in., width 24 in., height 33 in..... 12 50

These tables are constructed from wrought iron, plainly

made, with tight-fitting joints and white enamel finish. They are well adapted to hospital use and will stand rough usage.

Special sizes made to order.



Fig. 1800. BERLIN ASEPTIBLE OPERATING TABLE.

Price.....\$65 00

This table when extended is 72 in. long, 22 in. wide and 33 in. high. It is constructed entirely of wrought iron and is made so that the top may be taken off and cleaned. This is, so far as we know, the only aseptic table made that can be adjusted to meet the wants of the operator. It is finished in white enamel and the joints carefully fitted. Special sizes manufactured to order. We can supply this table with detachable stirrups at an additional cost of \$8.00.

HAS TRUAX & GREENE & CO.

OFFICE FURNITURE.

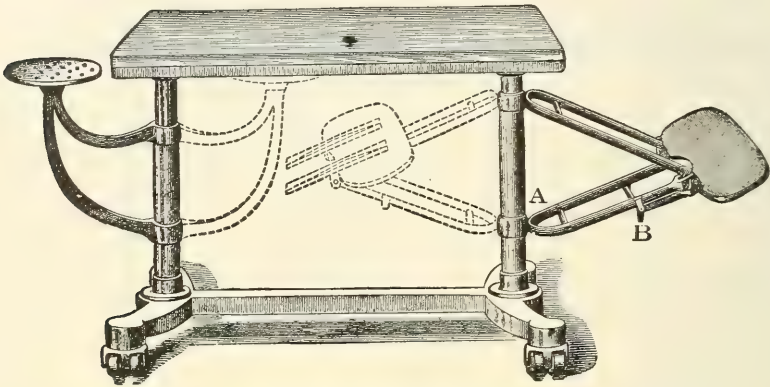


Fig. 1802. KELLY'S ASEPTIBLE OPERATING TABLE.

Price as shown in the illustration.....\$175 00

This neat and compact operating table was designed by Dr. Howard Kelly, of Baltimore. The table is built entirely of Brass with the exception of the top. The latter consists of a heavy plate of glass one inch thick with polished edges. The base is cast in a single piece and rests on four double casters. The uprights are made hollow to insure lightness and strength. The glass top is held in position by lugs so that it cannot be moved from its position. The foot rest and seat may be set at different heights to suit the convenience of operators, and when not in use they may be swung under the table out of the way.

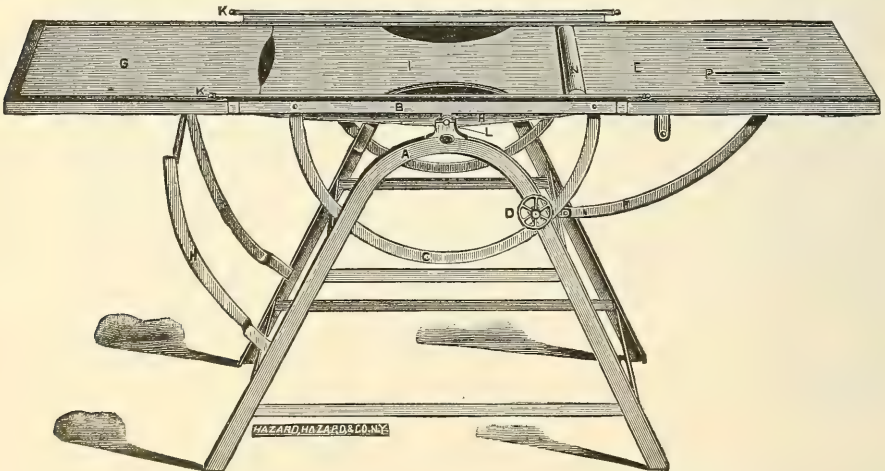


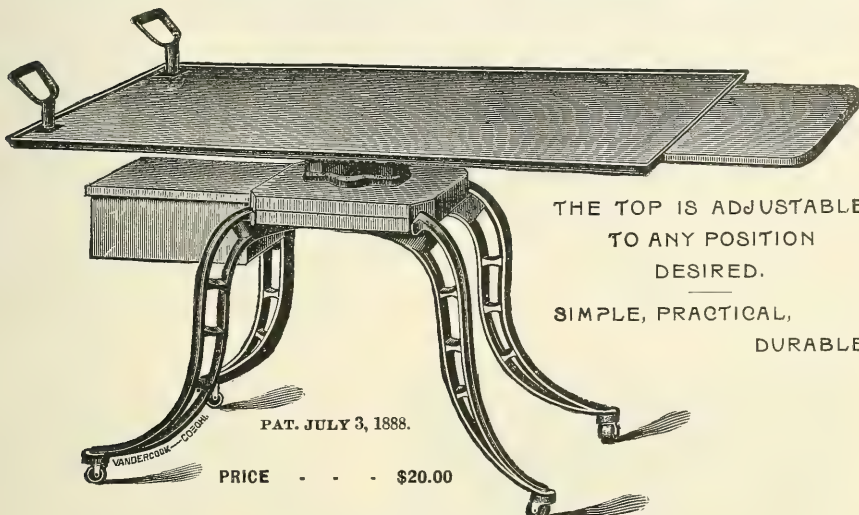
Fig. 1804. CLEVELAND'S OPERATING TABLE.

\$75 00. Boxed for shipment, \$77 00

This table is manufactured entirely of wrought iron. It is so arranged and jointed that it will admit of the placing of the patient in almost any position.



THE COWLES ADJUSTABLE OPERATING TABLE.



THE TOP IS ADJUSTABLE
TO ANY POSITION
DESIRED.

SIMPLE, PRACTICAL,
DURABLE.

PAT. JULY 3, 1888.

PRICE . . . \$20.00

DESCRIPTION.

The table consists of three parts—a body, an adjustable top and head rest. The body of the table resembles that of an ordinary table, but is much stronger, and has located on a center two castings which form a socket of a "ball and socket" joint. Each casting contains a semi-circular excavation, and is manipulated by a screw of sufficient length to project just under the edge of the table top when in position. An adjustable crank is fitted to the screw bolt.

The adjustable top, which is 54 inches long and 27 inches wide, is thoroughly braced and has in the center a strong casting with a rod projecting downward. On the end of the rod is a metallic ball turned perfectly round, so adapted as to fit into the castings of the table. The castings are closed by means of the screw and a perfect ball-socket joint results, thus giving absolutely free motion in every direction to the top of the table. By turning the crank to loosen the joint, the top can be tilted or turned into any position, and then easily made firm and solid in THAT POSITION.

One end of the top is so arranged as to afford every facility of office gynecology. Stirrups are adjustable.

On other end is located a drop leaf, which, when raised, forms a head rest, and also makes an extension to the top, making the entire length 5 feet 6 inches.

The body of the table contains a drawer for instruments, and a shelf is in place directly in front of the operator.

This table, and the principle upon which it is constructed, has received the endorsement of every prominent surgeon and gynecologist in Chicago.

TESTIMONIALS.

R. LUDLAM, M. D., Dean and Professor of Medical and Surgical Diseases of Women and Obstetrics Hahnemann Medical College; Attending Physician Wesley Hospital; Attending Physician (Diseases of Women) Hahnemann Hospital, says, under date of Chicago, March 24, 1890:

"Having used Cowles' Adjustable Operating Table in my clinic on Gynecological Surgery, I cheerfully certify that it fills every requirement, and has given the very best satisfaction."

WM. H. BYFORD, M. D., Professor of Gynecology, Rush Medical College; President and Professor of Gynecology, Woman's Medical College; Lecturer on Surgery, Woman's Hospital Training School; Consulting Gynecologist, Chicago Hospital for Women and Children and Wesley Hospital; Attending Gynecologist, Woman's Hospital; Consulting Physician, Erring Woman's Refuge; Attending Gynecologist, St. Luke's Hospital; Consulting Physician, Central Free Dispensary; Attending Physician, Oakwood Springs Sanitarium, says:

"I have used the Cowles' Adjustable Operating Table in our hospital (Woman's Hospital of Chicago) about one year, and I say that I cannot recommend it too highly."

PRICES.

Solid oak, finished in natural wood, complete \$20 00 See cut.

We warrant the safe delivery of every table shipped to points in the United States.

SEND FOR CIRCULARS TO CHAS. TRUAX, GREENE & CO.

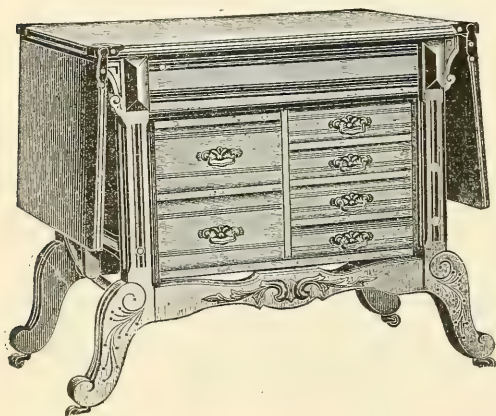


C O L U M B I A

Operating and Examining Table.

In constructing this new combination of a Table expressly designed for patients when undergoing surgical operations or physical examinations, the actual wants of the physician and surgeon are thoroughly considered. In a device of this kind there are several qualities indispensable, to wit, *i. e.*, stability and proper dimensions; a deficiency in either of these qualities renders an operating table unfit for use. Busy surgeons ordinarily prefer common tables in their operations, for the reason that there is no table in the market possessing the two qualities here referred to.

The Table here offered supplies this want, its ample dimensions, simplicity of construction, superior strength in the parts affording adjustment and consequently great stability in different positions, renders it the most perfect Operating Table there is in the market.



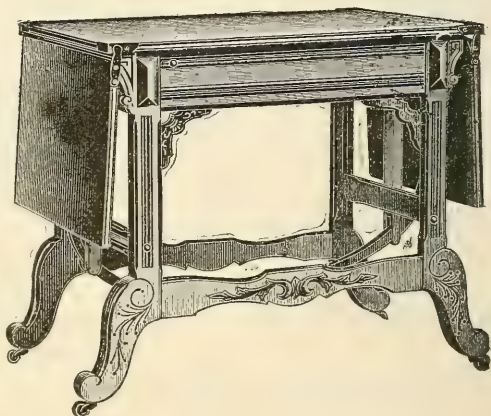
**No. 1. TABLE WITH
DRAWERS.**

Fig. No. 1 illustrates the table in ordinary position, with two large and four small drawers which can be drawn out on either side of the table, it also has a sliding board for basin. We also make this table without drawers. (See cut No. 2.)

**No. 2. TABLE WITHOUT
DRAWERS.**

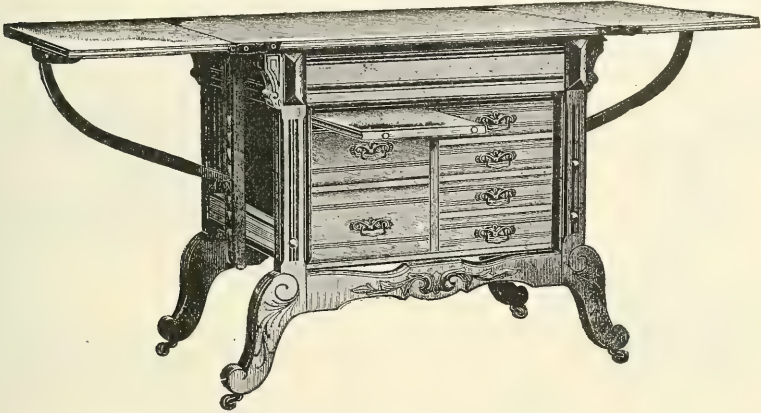
The appearance of the Table has been properly considered and the practitioner will find it in this respect an elegant piece of office furniture.

FOR SALE BY
CHAS. TRUAX, GREENE & CO.



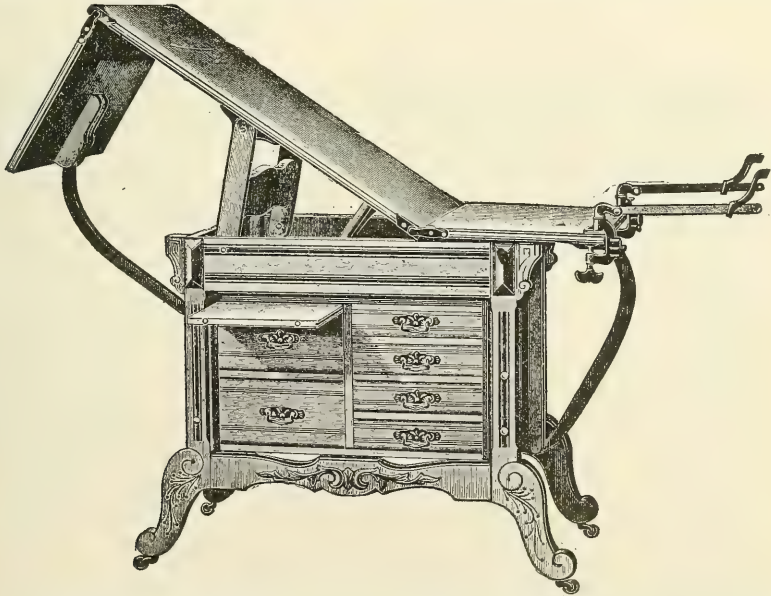
CHAS. TRUAX & CO. GREENE

OFFICE FURNITURE.



No. 3. AS AN OPERATING TABLE.

Fig. No. 3, illustrates the table with sides extended out at full length as an Operating Table, either end can be raised or lowered at any angle.



No. 4. TABLE FOR GYNECOLOGICAL OPERATION AND EXAMINATION.

Table with drawers, including stirrups.....\$30 00
 Table without drawers, (see cut No. 2) including stirrups.....20 00
 Head pillow in leather.....2 00

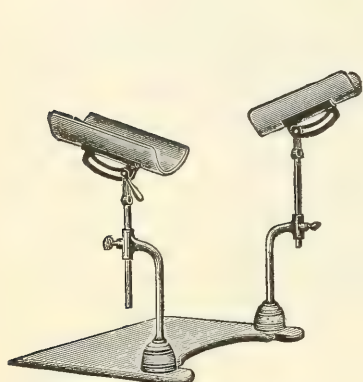
Fig. No. 4, illustrates the Table for Gynecological Operation and Examination. Raise one end of the top which can be raised to any angle. We call particular attention to our stirrups. They are put on every chair, and so constructed that they can stand parallel with seat or may be carried outward as far as desired.

Height of table 32½ in. Width of table 24 in. Length of table when extended out, 5 ft. 8 in. 2 drawers 6x12; 4 drawers 3x12; depth 20 in.

We make them in walnut and oak, the price being the same.

CHAS. TRUAX & CO. GREENE

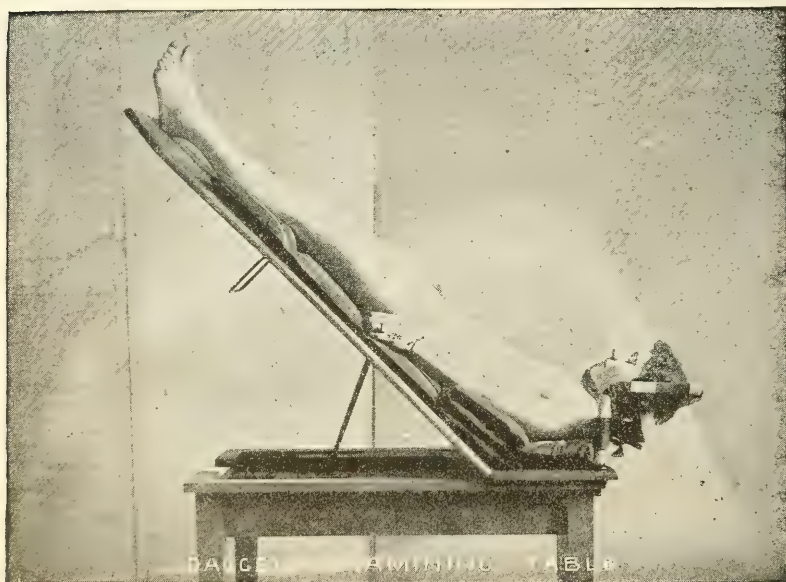
THE DAGGETT POSTURING TABLE.



Portable and Adjustable Leg Crutches.
Can be used on any table, chair,
bed, or lounge, replacing
skilled assistants. Price
complete.....\$10 00



ALL POSTURES KNOWN TO MEDICINE.



Prices..... from \$18.00 to \$100.00.

THE DAGGETT TABLE CO., Buffalo, N. Y.

Send stamps for Monograph Posture in Medicine and Surgery illustrated, or send for catalogue to

CHAS. TRUAX, GREENE & CO., Agents, 75 and 77 Wabash Ave., Chicago, Ill.



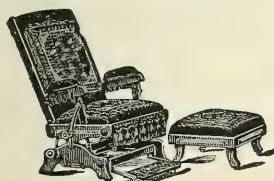
EVERY PHYSICIAN IN THE WORLD SHOULD READ THIS ADVERTISEMENT.

Office and Gynecological Chair Combined.

SPECIAL INDUCEMENTS GIVEN TO PHYSICIANS FOR A LIMITED TIME

... WRITE AT ONCE ...

This is the most complete physician's chair ever offered to the profession. It combines a **handsome leather covered Office Chair** and a **first-class Gynecological**



No. 1.

Chair, at less than one-half the price you would have to pay for any other first-class gynecological chair alone.

The Chair is first-class in every respect and fully warranted. It has over two hundred changes of position;



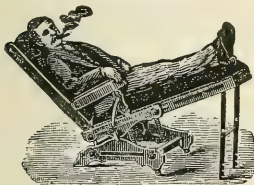
No. 2.

it is noiseless in all its movements; the back can be lowered or seat tilted at any angle desired, with full weight of patient thereon, with the utmost ease.

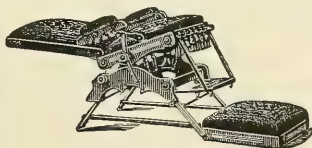
As a Gynecological Chair it will take any position shown, or any intermediate position, besides having newly patented improvements, which make it without doubt, the **best and cheapest Office and Gynecological Chair in the World.**

This Chair can be converted from a splendid Office Chair (see cuts Nos. 1 and 3) into one of the most complete Gynecological Chairs in one-half minute. (See cuts Nos. 2, 4 and 5.)

This Chair is sold with or without the Gynecological attachment, as desired. It is *unquestionably* the most complete and comfortable Reclining or Lounging Chair ever made. We make a special price to physicians, and also give them a handsome commission on all orders we receive through them for Chairs for their patients. No Chair in the world is so well adapted to ladies suffering from female weakness, and the commission we give on your orders will soon pay for your own Chair.



No. 3.



No. 4.



No. 5.

SEND 2 CENT STAMP FOR SIX ELEGANT COLORED ENGRAVINGS,

Showing the Chair in different positions and different styles of upholstery, etc.; also circulars containing splendid testimonials from nearly every State and Territory in the United States.

REMEMBER

This chair has nickel-plated attachments and adjustable stirrups. You cannot buy as fine a Gynecological Chair as this of any other reliable make for less than \$70 to \$100. The chair can be rigidly locked in any position. Physicians should order at once, as the special inducements we are offering only hold good for a limited time.

Address P. C. LEWIS MANUFACTURING COMPANY, Catskill, N. Y

FOR SALE BY CHAS. TRUAX, GREENE & CO.



THE "PERFECTION" CHAIR.

MINER & ELBREG, MANUFACTURERS.

INDIANAPOLIS, IND.

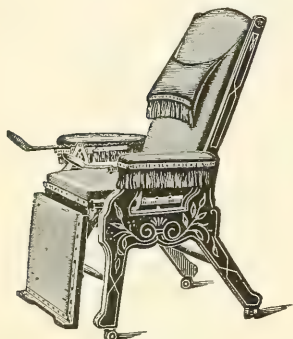


Fig. 1805.

REVISED PRICE LIST:

Fig. 1805.

- | | |
|---|---------|
| No. 2. Upholstered in best quality imitation leather, nickel plated irons, solid oak frames. Oil finish or varnished..... | \$45 00 |
| No. 3. Same as No. 2; upholstered in <i>genuine</i> plain leather, with drop seat..... | 50 00 |
| No. 5. Same as No. 3; upholstered in fine imported mohair plush. Walnut or antique oak, hard-oil finish..... | 55 00 |
| No. 7. Same as No. 5; upholstered in fine embossed leather..... | 60 00 |

Nos. 2 to 7 all have drop seat, but do not have tilting movements.

Nos. 9 to 15 all have drop seat, and backward, forward and sideways tilting movements, which can be used separately or together.

Fig. 1806.

- | | |
|---|-------|
| No. 9. "Perfection," upholstered in best imitation leather, nickel-plated irons, solid oak frames, hard-oil finish, with DOUBLE TILTING MOVEMENTS..... | 65 00 |
| No. 11. "Perfection," upholstered in plain genuine leather, nickel-plated irons, with DOUBLE TILTING MOVEMENTS and DROP SEAT, giving ten times more positions and changes than any other chair made. Solid walnut or oak frames, hard-oil finish..... | 70 00 |

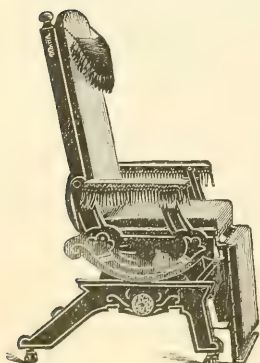


Fig. 1806.

- | | |
|--|-------|
| No. 13. Same as No. 11; upholstered in fine imported mohair plush; either plain or embossed; best upholstering, in solid walnut, cherry or quartered antique oak, hard oil finish, with cuspidor attachment..... | 75 00 |
| No. 16. Same as No. 13; upholstered in handsome embossed leather, with nickel-plated Adjustable Combination Book Rest and Instrument Table attachment..... | 80 00 |
| Cuspidor and Attachment, net..... | 3 00 |
| Book Rest and Instrument Table Attachment, net..... | 3 00 |

Other Styles and Finishings Made to Order to Suit Purchasers.

ORDER BY NUMBER.

FOR SALE BY CHAS. TRUAX, GREENE & CO.



THE "PERFECTION" PHYSICIANS' TABLE.

MINER & ELBREG, MANUFACTURERS,

... INDIANAPOLIS, IND. ...

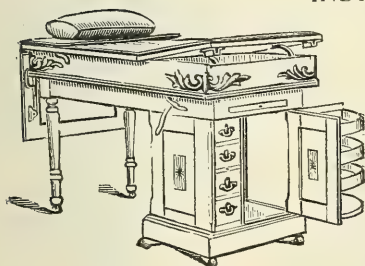
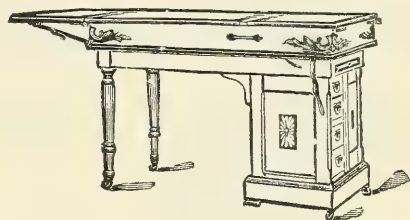
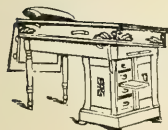
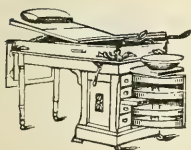
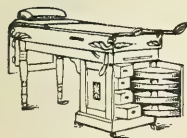
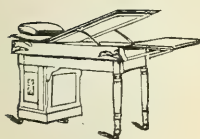


Fig. 1807.



PRICE LIST:



- | | |
|---|---------|
| No. 4. Best Antique or Sixteenth Century Finish, quartered oak, full cabinet, four drawers, three zinc trays, nickel-plated trimmings, hand carvings, leather top cushions, and pillow..... | \$80 00 |
| No. 6. Antique Oak or Sixteenth Century Finish, quartered oak, leather top cushions, nickel-plated trimmings, full cabinet, without zinc trays or hand carvings..... | 75 00 |
| No. 8. Same as No. 6, with embossed tannette cushions and pillow..... | 70 00 |
| No. 10. Same as No. 6, with artificial leather cushions and pillow..... | 65 00 |
| No. 12. Best antique or Sixteenth Century Finish, quartered oak, leather top cushions, without cabinet or drawers, but with nickel-plated trimmings and hand carvings..... | 60 00 |
| No. 14. Same as No. 12, with leatherette cushions and pillow, without hand carvings..... | 55 00 |

Other Styles and Finishings Made to Order to Suit Purchasers.

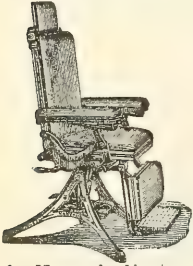
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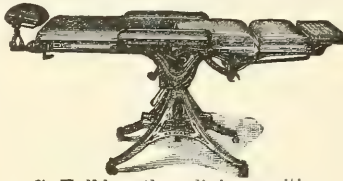


THE HARVARD PHYSICIANS' AND SURGEONS' ... CHAIR. ...

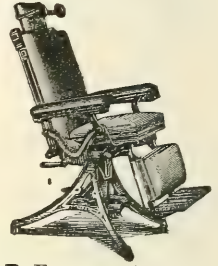
MORE THAN 9,500 NOW IN USE.



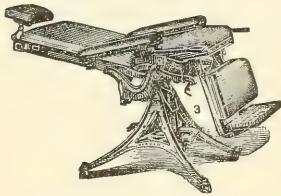
A. Normal adjustment.



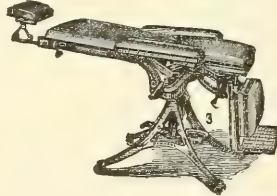
C. Full length reclining position.



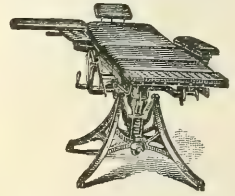
B. For operation upon the eye, ear and throat.



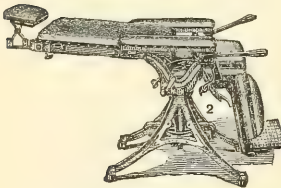
G. For elevating the hips.



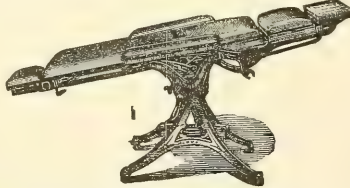
H. Three-quarter length reclining



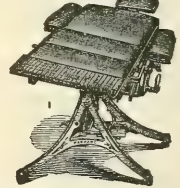
I. For operations on hand or arm.



F. Dorsal position.



D. Reclining, with head lowered.



E. Sims' position.

The Harvard is Capable of Every Position Desirable in the Practice of the Surgeon, Gynecologist, the Oculist or Aurist.

It is the only surgical chair capable of being rotated. It is the only chair capable of the lateral motion, Sims' position, as seen in figure E (in this the head may be lowered more than seen in the cut and the step dropped out of the way, as in figure H, if desired); the only one capable of the backward inclinations (figures B and D), or of the hip elevation (figure G), or of the arm support (figure I), features recognized by the profession as most important.

It perfectly balances with or without a patient upon it, and consequently all its various positions are attained with ease to the patient and operator. The heaviest patient can be placed in any position with the slightest effort. Set upon a large (1½-inch) steel screw, it may be raised or lowered or rotated to get the direct light. The head rest is universal in its movements; may be raised, lowered, extended backward or forward, moved to the right or left and rigidly set to any position by means of a single set screw. Either side arm may be turned out of the way in the use of the speculum. The chair, practically noiseless in its operations, may be operated with equal facility from either side. The system of bracing renders the chair so rigid that it can never, by long or hard usage, sag or get out of shape. Our improved stirrups are self-fastening, have no thumb screw, and cannot drop with the foot of the patient in them. The upholstered part of the seat may, during an operation, be removed to prevent soiling and to provide a convenient tray for instruments, basin, sponge or cotton. Any position may be directly attained without a complication of movements. The Harvard is most simple in construction; every part is shown in the views, which are taken from photographs. It is set upon a base so broad it will not overturn. It has no cogs or cog wheels. It has no cranks or levers. It has no complicated parts. No lifting the patient to position. It has no ratchets to rasp the nerves of the patient. The Harvard is the most ornamental, as well as convenient, surgical chair ever offered to the profession.

STYLE AND FINISH.—The larger iron parts are painted and tastefully ornamented, the smaller nickel or gold-plated. Frames are of cherry, walnut, maple or oak, varnished or hand oil finish. Upholstering is done in the best embossed, hand or machine buffed leather, silk or mohair plush, or imitation leather. Double anti-friction casters under all chairs. The Harvard, even in the cheapest style of finish, makes an elegant piece of office furniture.

Every chair guaranteed as represented. Send for descriptive catalogue and price list. Manuf'd by

THE HARVARD COMPANY, CANTON, OHIO.

16 Sheppard St., Toronto, Ont. 26-30 Market St., Melbourne, Australia. 15 Roseberry Ave., Clerkenwell Road, (Braunton Mansions), London, E. C., Eng.

For sale by Truax, Greene & Co., 75 & 77 Wabash Ave., Chicago. In writing them, please mention this list.



THE "YALE" PHYSICIAN'S CHAIR

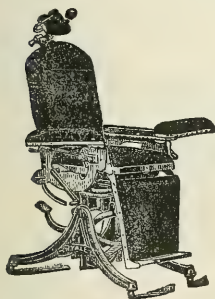


Fig. I—Normal.

It is the only chair for the Physician that is Raised by a Pedal Lever and Lowered by an Automatic Device, without being whirled about on its base, and while occupied either in the *Sitting, Reclining, Horizontal, Sim's, Dorsal* or any other position.

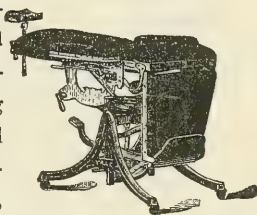


Fig. XII— $\frac{3}{4}$ Length.

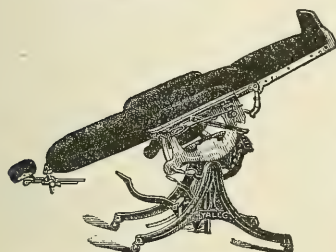


Fig. IX—Chloroform Narcosis.

It can be tilted backwards and forwards, rotated on its base, swung either to the right or left, or tilted either to right or left, while in any position.

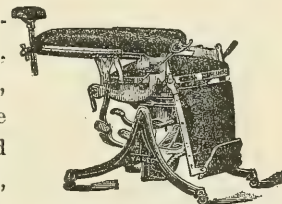


Fig. XVI—Dorsal.



Fig. XIII—Sims.

TO THE TRADE AND PROFESSION:

To those who may have been deterred from buying our chairs, in consequence of misrepresentations and threats made by unscrupulous persons, we wish to say:—The last decision of Mr. Justice Brown, (of the U. S. Supreme Court,) rendered Feb. 24th, 1891, places our "YALE" and "GOULD" chairs where they may be used without fear of prosecution and any person who interferes with purchasers in the rightful possession and use of the same will be held amenable to the law.

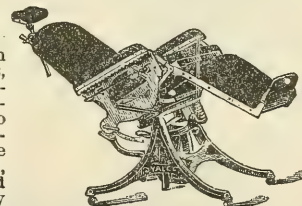


Fig. V—Semi-Reclining.

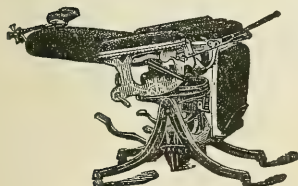


Fig. XV—Hips Raised.

IT EMBODIES
UTILITY
BEAUTY
CONVENIENCE
AND
DURABILITY

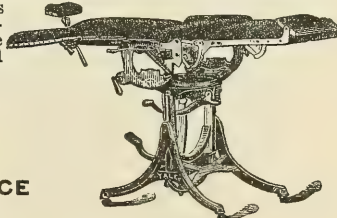


Fig. VII—Horizontal.

CANTON SURGICAL & DENTAL CHAIR CO.,

38-54 EAST EIGHTH STREET, CANTON, OHIO.

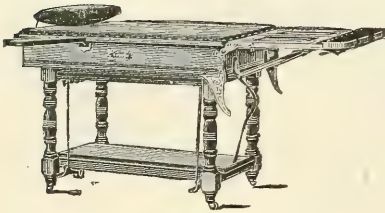
Sole Manufacturers of "Yale" Surgical Chairs, Gould Dental Chairs, Fletcher Fountain Spittoons, Duplex Cord Dental Engines, The New Spiral Dental Engines, Etc.

FOR SALE BY CHAS. TRUAX, GREENE & CO.

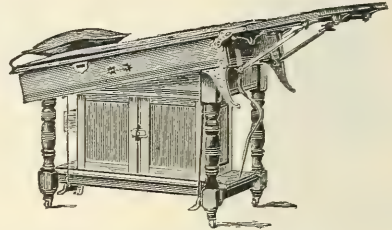
HAS TRUAX & GREENE & CO.

OFFICE FURNITURE.

THE "ALLISON" OPERATING TABLE.

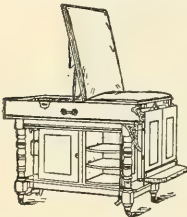


Surgical position, upholstered top, without Cabinet.



Anaesthesia Narcosis position. Removable cushion and pillow, cabinet closed.

Made of oak, walnut or cherry; material and workmanship first-class; elegant finish, hand polished. The top on all tables is hinged at a point 14 in. from front edge, so that top can be raised to an upright position, answering the purpose of a chair. The top is made plain, upholstered or with movable cushion and pillow.



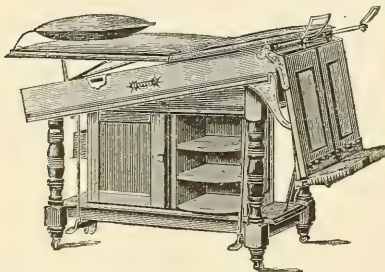
Position as a chair; back elevated, step in front to assist patient in mounting the table.

The patented cross-bar, on which the upper portion rests, enables the operator, by use of the two foot treadles at side of table, instantly to adjust it with perfect ease, and with the heaviest patient on it, to any desired position.

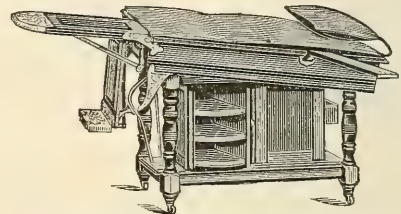
The adjustable stirrups, divided leg-rest, revolving cabinet, removable cushion and the adjustable arm-rest are some of the desirable features of the table.

Satisfaction Guaranteed.

PRICES FROM \$50.00 TO \$90.00.



Hips elevated, stirrups in position, revolving cabinet open.



Sims' position, showing adjustable arm-rest and divided leg-rest.

TRENDELENBURG FOLDING TABLE.

We make a folding table for Trendelenburg position which can be used on any table or bed and can be compactly folded and carried under the arm. For use in abdominal surgery it has no equal.

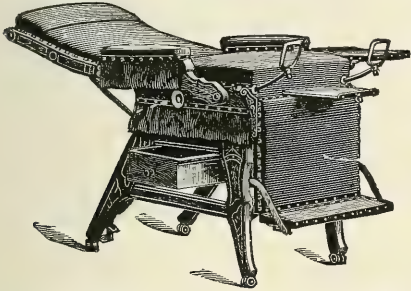
Tables for hospitals, colleges, or special practice made to order.

CHAS. TRUAX & CO. GREENE & CO.

OFFICE FURNITURE.

THE "ALLISON" PHYSICIANS' CHAIR.

Prices.....from \$45 00 to \$85 00



Dorsal Position showing side table, adjustable stirrups and shelf in front.



Anæsthesia Narcosis. to the patient.



Sim's Position.

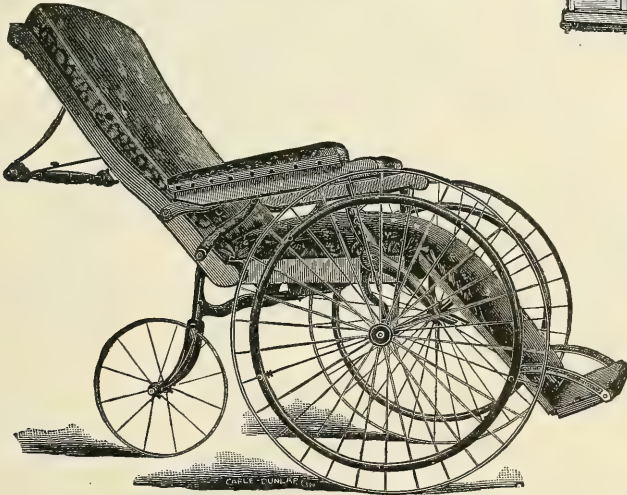
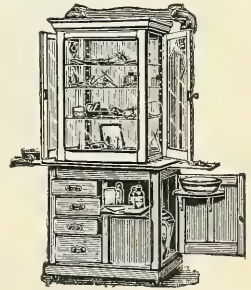
It can instantly be adjusted to any desired position. It is simple in construction, convenient to the operator and comfortable

The adjustable stirrups, the large drawer for instruments, the little shelf in front, the movable pillow which goes with each chair, and the step for mounting the chair are special features of importance.

COMBINATION INSTRUMENT CABINET.

Prices.....from \$40 00 to \$65 00

The Cabinet is made thoroughly aseptic and proof against dust and dampness. The upper section is a glass case which revolves on the lower section. It has adjustable glass shelves and the doors close against small cushions, making the case almost air-tight. The cabinets are made in a number of different styles.



INVALID ROLLING CHAIR.

Prices.....\$20 00 to \$65 00

They are made in a number of different styles and sizes. The chair can be reclined to any desired angle by raising the caps on the arms.

MANUFACTURED BY W. D. ALLISON CO., INDIANAPOLIS, IND.
FOR SALE BY CHAS. TRUAX, GREENE & CO.

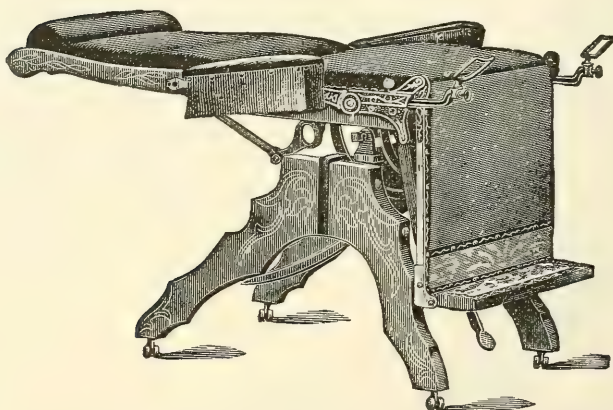
CHAS. TRUAX & CO. GREENE

"The New Indianapolis Surgical Chair"

MADE BY

DRAKE & WOOD CO.,

INDIANAPOLIS, IND.



WRITE FOR FULL DESCRIPTION.

The only Chair which can be put in any position

with ONE HAND from either side.....

Simplest and Easiest to Operate

with no Triggers to get out of order.

FOR SALE BY CHAS. TRUAX, GREENE & CO.

HAS TRUAX & CO. GREENE

DE PEW'S CONVERTIBLE OPERATING CHAIR.



Received the only Gold Medal awarded, New Orleans Centennial Cotton Exposition, A. D. 1885, for like articles.

In presenting our Operating Chair with new and important attachments to the profession, we are confident it will be received and adopted, as furnishing the most complete Chair and Operating Table for the Gynecologist and Surgeon. The seat is pivoted upon two semi-circular springs. It is the only chair made so simple in construction that it can be readily changed to various positions without crank, screw or cog wheel, from either side of the chair. We make no charge for attachments, which include stirrups, pillow and table for Sims' position. If necessary to give chloroform, the operator will feel great confidence in this chair, knowing he can immediately force the blood to the brain by lowering the head and correspondingly elevating the lower extremities, which together with the vibratory motion will produce the desired effect.

No. 1 Operating Chair, upholstered in genuine leather.....	\$50 00
No. 2 Operating Chair, upholstered in extra mohair plush.....	60 00



DR. GEO. H. TAYLOR'S APPARATUS FOR MECHANICAL MASSAGE

AND OTHER REMEDIAL PURPOSES.

For detailed description of the machines here shown and all other appliances, see the complete Illustrated Catalogue and Price List (furnished by us) of the proprietors and manufacturers, **The Improved Cure Institute**
71 East 50th Street, New York.

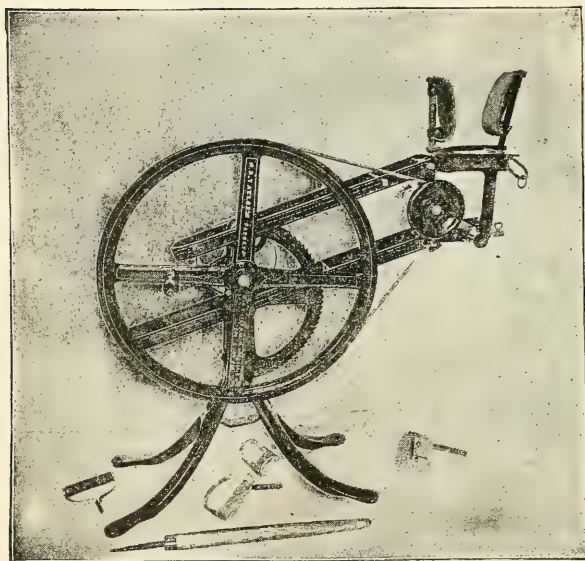


Fig. 1.

Single Manipulator, Style A. Price, \$100.00.

Fig. 1 represents a side view and the accompanying attachments of one of the most useful forms of manipulators. It can be run by hand or other power.

Fig. 2 represents it in use, rubbing the arms. For other forms of use, by means of its different attachments, and for other styles of manipulators, with prices, see Catalogue.

Manipulators.

These are Machines by which rapid massage, either in the form of rubbing, vibrations, or oscillatory motion, may be given to any selected part of the body.



Fig. 2.

FOR SALE BY CHAS. TRUAX, GREENE & CO.



Apparatus for Slow Massage.

PRICE, - - - \$85.00.

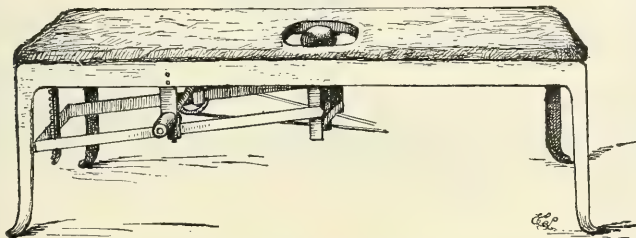


FIG. 3. KNEADING.

Fig. 3 shows one of the most agreeable forms of Kneading—The Revolving Kneader.

In this form of the apparatus, a single ball or sphere is provided for contact with the part of the body exposed to its action, through a circular opening in the top of a well upholstered couch. The motion of the ball is in a horizontal circle. The degree of pressure upon the part in contact is under the immediate control of the patient.

The Kneading, or Slow Massage Machine, above described, may be driven by belts from a slowly revolving shaft, which may be operated by any form of light power. For other forms of Kneaders, with description and uses, see catalogue.



THE

. Chest . Developer .

PRICE, - - \$60.00.

• •

By this apparatus the momentum of a swinging pendulum is transmitted through the arms to the chest to increase the natural respiratory rhythm.

The power thus derived is applied to expansion of the chest, and to the development of its muscles as a whole, or the action may be limited to contracted and defective regions. The abdominal muscles are subjected to similar action, and its effects include even the contents of the pelvis.

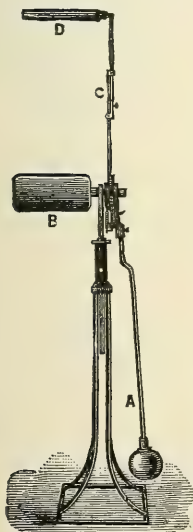


FIG. 4.



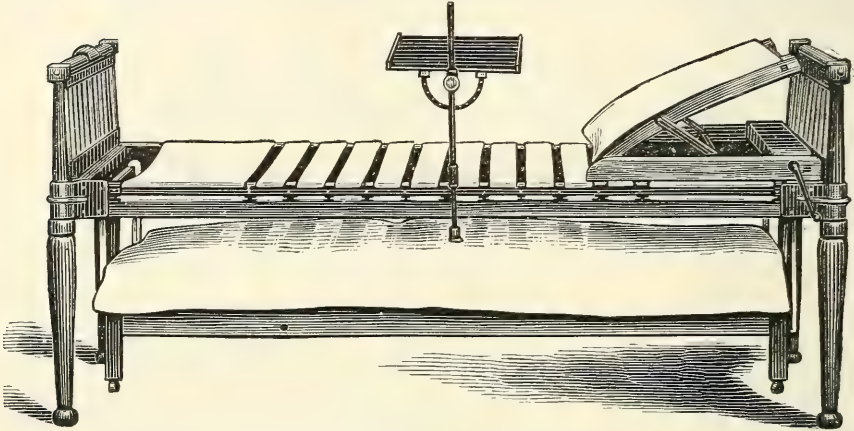
FIG. 5.

FOR SALE BY CHAS. TRUAX, GREENE & CO.



INVALID FURNITURE.

THE CROSBY INVALID BED.



The Crosby Invalid Bed is acknowledged to be the finest and the best bed on the market for invalids.

A CHILD TWELVE YEARS OLD CAN MANAGE IT.

Helpless invalids will find that this bedstead will give comfort and ease when so exhausted from disease that they are obliged to be lifted from one bed to another to have it made up. It prevents bed sores and will cure those already existing. It affords easy access to the body in cases of fractures, amputation, dysentery, acute rheumatism, the last stages of consumption and typhoid fever, attended with great prostration and involuntary discharges—permitting the clothing to be changed and the bed made up thus securing perfect cleanliness without fatigue or annoyance, and allowing defecation to be performed without moving the patient. It is specially adapted for use in cases of child-birth.

One person can perform all the necessary duties to a sick person.

MATTAPOISETT, MASS., Aug. 27, 1891.

THE CROSBY INVALID FURNITURE CO.

I recommend this bed above all others I have ever seen for the ease with which the patient can be cared for and I ought to be a judge as my daughter has lain on one for seven years.

Yours respectfully,

E. B. PURINGTON, Contractor and Builder.

OLD LADIES' HOME, NASHUA, N. H., Sept., 1892.

Miss Sally Danforth, an inmate of the Old Ladies' Home in this city, fell down stairs, November, 1888, thereby receiving a fracture of the neck of the femur. The old lady was very much emaciated, the result of a complication of diseases, thus making her case extremely difficult to render proper care by the nurses and attending physician. The patient herself was, owing to her age, very nervous and fretful, consequently the duties of all were doubly laborious. On the second day the CROSBY BED was adopted and from this time forward the patient was attended with ease



INVALID FURNITURE.

and was constantly praising the bed until death relieved her from her suffering in May, 1889, *one year and six months* constantly on the bed.

Miss Danforth was 90 years old at the time of death and never during the eighteen months she used the bed did a bed sore appear, nor did she suffer other than from the fracture, which, owing to her extreme age, never fully united. This we consider as severe a test as the most skeptical person could ask for.

We are personally knowing to the facts in the above case and cheerfully subscribe hereunto as being true in every respect.

CHAS. B. HAMMOND, Attending Physician.

MRS. CHARLOTTE CAMPBELL, Matron.

CITY HOSPITAL, Worcester, Mass.

THE CROSBY INVALID BED has been used in this hospital for some time, and we consider it one of the best beds for invalids that has ever been made. We give it the preference over any that have yet come to our notice.

CHAS. A. PEABODY,

Supt. and Resident Physician.

.. ENDORSED BY ..

THE SISTERS GOOD SHEPHERD, CONVENT GOOD SHEPHERD, Boston, Mass.

JAS. B. CUYLER, Medical Insp'r U. S. A. and Pres. of Board.

B. B. McCAY, Surgeon U. S. A. and Secretary of Board.

C. H. CRAM, Surgeon U. S. A.

L. A. EDWARDS, Surgeon U. S. A.

DIXIE CROSBY, Professor of Surgery in Dartmouth College.

S. A. BOYNTON, M. D.,

D. W. BLISS, M. D.,

} Surgeons in attendance upon the Late Pres. Garfield.

HOME FOR THE AGED, No. 446 Kerkenhamer Street, Brooklyn, N. Y.

Thousands of them are in use; it has been adopted by the U. S. Government, and other Hospitals. They are unqualifiedly endorsed by the Medical Profession, and wherever and whenever used have invariably given the fullest satisfaction. Constantly increasing sales prove the popularity of this bed.

THE CROSBY INVALID FURNITURE CO., Nashua, N. H.

A sample of this Bedstead, in full working order, may be found at the WARE-ROOMS of

CHAS. TRUAX, GREENE & CO.

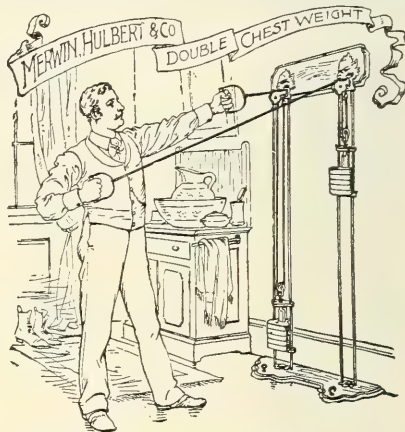
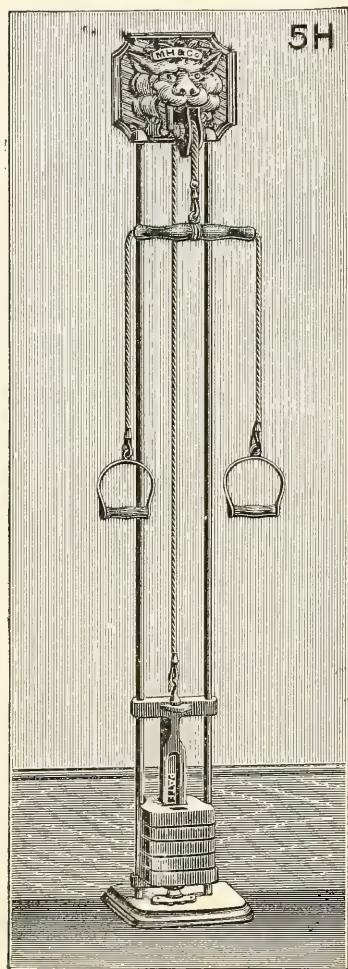
Who will be pleased to show the same to all who may be interested.

PHYSICIANS are particularly invited to call and examine this bed.

HAS T R U A X G R E & CO.

H U L B E R T B R O S . & C O

HOME EXERCISING MACHINES



MADE IN DOUBLE AND SINGLE STANDS.

The double chest weight is an interchangeable machine, and it is a complete combination chest weight. It is furnished with our patent swivel and loose self-lubricating noiseless pulley, compound rope and our patent interchangeable floor attachment, making with a rowing frame or a footstool, an excellent rowing exercise, and in fact a complete home gymnasium in itself. It is scientifically made and will bring into action and develop every muscle of the body. Sent complete in 30 lbs. weight and adjustable from $2\frac{1}{2}$ lbs. on a side. Price, \$10.00.

All the exercises obtained with our double Chest Weight can be had on our single Chest Weight. It is more desirable, however, to have a double machine, if room will admit of the space, as it saves making so many changes and also gives more adjustment to the weights. The saddle and weights, all on, weigh 15 lbs. and when used with direct pull, you pull 15 lbs.

It requires only 4 x 5 in. floor space and is equally as well made as our double machine. Price, \$5.00.

See what Dr. CYRUS EDSON, of the New York Board of Health, says:

Messrs. HULBERT BROS. & Co.,

NEW YORK, Aug. 10th, 1891.

Gentlemen: I have personally examined the Pulley Chest Weights and Hydraulic Rowing Machines, manufactured by you. The mechanical principle upon which they are made, the material and workmanship expended upon them, make them, in my opinion, the best machines for the purpose that I have ever seen.

I consider a systematic exercise with these machines one of the best ways of maintaining health and overcoming the evil effects of confining office work. I believe that many malformations and chronic conditions may be overcome by a systematic and intelligent use of these machines.

FOR ILLUSTRATED CATALOGUE ADDRESS

Yours truly, CYRUS EDSON, M. D.

HULBERT BROS. & CO., 26 WEST 23D ST, NEW YORK CITY.

FOR SALE BY CHAS. TRUAX, GREENE & CO.

HAS TRUAX & CO. GREENE

INVALID FURNITURE.

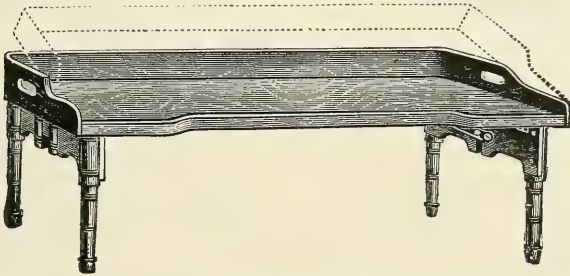
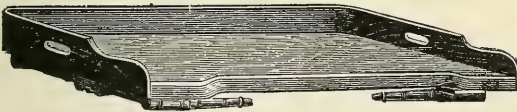


Fig. 1776. FOLDING BED TRAY.



Our Folding Bed Tray is an article of incalculable value to every household, hospital or hotel. To appreciate it one need not be a confirmed invalid, for even in a case of temporary indisposition,

or where one has occasionally to take a meal in bed, the comfort derived from its use far exceeds the trifling consideration of its cost. But to those subjected to a prolonged sickness, or to the invalid, the Folding Bed Tray is a boon of priceless value. It should form a part of the furniture of every household as much as a dining table. No family can be so exempt from the ills of life as not to find its convenience. They are constructed with a rim around the sides and back and a narrow strip in front to keep the dishes from slipping. The legs are made to fold when not in use. The folding legs are much stronger than the old-fashioned permanent ones, as well as being handsomer and lighter, and also having the decided advantage of greater portability.

With the Folding Tray, used in connection with our Solid Comfort Back Rest, described on next page and illustrated in the above engraving, a person can partake of a meal as comfortably as though sitting at a dinner table.

A special feature of the Bed Tray is in its construction; it can be changed into a back rest by simply raising the top, which can be held at various angles by a wire brace which works in notches.

No. 1. Size $13\frac{1}{2} \times 25$ inches, 8 inches high, in solid ash.

price to patients \$5 00



INVALID FURNITURE.

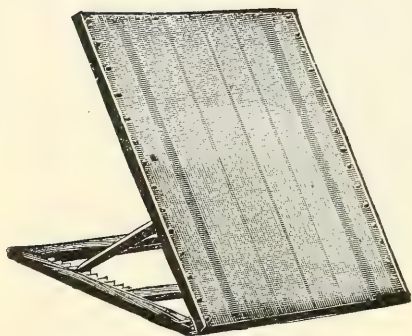


Fig. 1778.

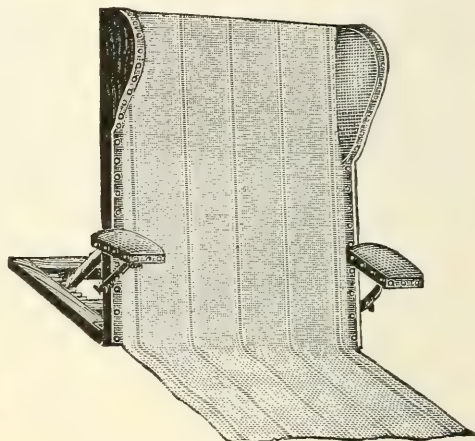


Fig. 1779.

SOLID COMFORT BACK RESTS.

The "Solid Comfort" Back Rest is a convenience which one having once enjoyed would never think it possible to do without. The possession of one is an insurance against much of the discomfort of even a temporary illness, while to such as are compelled to endure a prolonged siege of sickness, or to invalids who have to spend much of their time in bed, it is simply indispensable.

To the attendants in the sick room it does away with much arduous as well as unnecessary labor. It can be used with or without a pillow, or can be placed under the mattress if preferred.

In the construction of the Solid Comfort Back Rest, everything conducive to the comfort of the sick has been considered. It is made of a stout ash frame, with ratchets underneath the back, which support the patient at any inclination, and the back, unlike any others hitherto constructed, has no cross rail at the bottom, but being tastefully covered with a stout linen duck, is cool and elastic to the back.

It will be seen by the accompanying illustrations that we make them in a variety of styles. Fig. 1 represents simply a plain back rest. Fig. 2, with arms, head rest, and an apron. The arms are so arranged that they can be always level regardless of the inclination of the back, and they fold down flat if not wanted. The advantage of the apron is, that when sitting on it, the weight of the user holds the Back Rest in place. Arranged with the apron, the back Rest is an excellent thing for the beach or lawn, and is very popular as such.

The Head Rests are designed for the use of such as are unable to support themselves in a sitting position, and will be found useful when it is desirable to sleep with the back in an upright or partly reclined position.

Fig. 1778. Without arms and head rests. Price to patients.....\$5 00

Fig. 1779. With both arms and head rests, ash frame. Price to patients..... 7 25

NOTE.—All the styles have the apron as shown in Fig. 1779.



THE SARGENT MANUFACTURING CO.

THE following pages, 894 to 914, inclusive, are devoted to an abbreviated description and illustration of goods manufactured by the *Sargent Manufacturing Co.*, who, as devisers, inventors, and manufacturers of specialties in the way of articles of comfort and luxury for invalids, certain hospital appliances, etc., are the generally recognized standard in the United States.

It would be impossible in the limited space allotted in this catalogue to enter fully into details. Their line of goods embraces some 40 different styles of *Rolling and Carrying Chairs*, which include all kinds for house or street use, for adults or children, for self or secondary-propulsion, with and without upholstery, and various appurtenances which are used in connection.

In their line of *Reclining Chairs* is embodied such a variety that it would be difficult to imagine a case of necessity that could not be met or a requirement for luxury that could not be supplied. They also make a large variety of special appliances for home or hospital use, such as *Invalids' Beds, Back Rests, Bed Trays, Folding Cradles, or Bed Frames, Stretchers, Hospital In-door Ambulances, and Oculists' Operating Chairs.*

They also manufacture in great variety *Rotary Book-Cases* on their *New Patent Rotary Ball-Bearing Principle*, than which there is not a more useful or popular article of physicians' office furniture.

Concerning any of the above mentioned articles, anything that is lacking in the way of detailed information on the following pages, will be cheerfully furnished together with special catalogues.

The *Factory and Home Office* of the *Sargent Manf'g Co.*, is at *Muskegon, Mich.* Their *Eastern Warerooms and Office* is at *814 Broadway, New York*, and their line of manufactures in *Chicago* is represented by *Chas. Truax, Greene & Co.* Any of their goods will be supplied, or any information concerning them may be obtained from any one of the above addresses.



SARGENT'S ROLLING CHAIRS.

No. 120.

This chair is automatically adjustable to any position, from upright to recumbent.

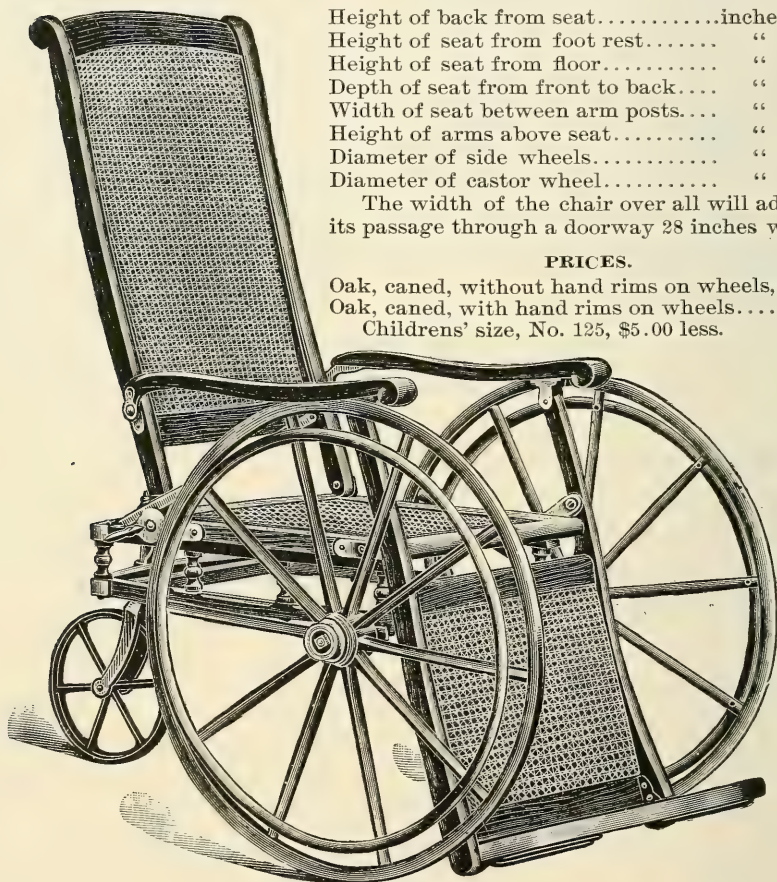
DIMENSIONS.

Height of back from seat.....inches,	33
Height of seat from foot rest.....	17
Height of seat from floor.....	20
Depth of seat from front to back....	19
Width of seat between arm posts....	19
Height of arms above seat.....	9½
Diameter of side wheels.....	28
Diameter of castor wheel.....	10

The width of the chair over all will admit of its passage through a doorway 28 inches wide.

PRICES.

Oak, caned, without hand rims on wheels,	\$25 00
Oak, caned, with hand rims on wheels....	27 00
Childrens' size, No. 125, \$5.00 less.	



No. 121.

No. 121 is the same in every respect as No. 120, excepting that it has the addition of an *Independent Adjustable Extension Leg Rest*.

PRICES.

Oak, caned, without hand rims on wheels.....	\$29 00
Oak, caned, with hand rims on wheels.....	31 00

HAS TRUAX & GREENE & CO.

SARGENT'S ROLLING CHAIRS.

No. 130.

The principle of *Automatic Adjustment* on which this chair is constructed, is unquestionably the best that has ever been devised.

DIMENSIONS.

Height of back from seat	inches, 34
Height of seat from foot rest	" 17
Height of seat from floor	" 20
Height of arms above seat	" 9½
Depth of seat from front to back	" 19
Width of seat between arm posts	" 19
Diameter of side wheels	" 28
Diameter of castor wheel	" 10
Weight, about 60 pounds,	

Its width over all will admit of its passage through a doorway 28 inches wide.

Price, oak, caned \$34 00



No. 131.

In both principle and construction the No. 131 is the same as No. 130, the only difference being that the No. 131 has an *Independent Adjustable Extension Leg Rest*.

It is frequently desirable to have the legs supported in a raised position, simply as a matter of comfort, even where physical disability does not render it necessary.

Price, oak, caned \$38 00



SARGENT'S ROLLING CHAIRS.

No. 134.

In this illustration is represented our newly perfected independent, extensible, divided Leg Rest adapted to the No. 130 chair, which, thus arranged, is designated as No. 134. Its advantages over the leg rest which works automatically with the back are that either or both legs of the occupant may be raised independently, and that both sections of the divided leg rest are extensible to suit the requirements of short or tall persons.

Price, oak, caned\$39 00



The rolling chair tray, which is illustrated in connection with this chair, is a valuable appurtenance for the purpose indicated and also for writing or reading. It can be adjusted to any desired inclination, and can be applied to any of our rolling chairs.

Price.....\$5 00



SARGENT'S ROLLING CHAIRS.

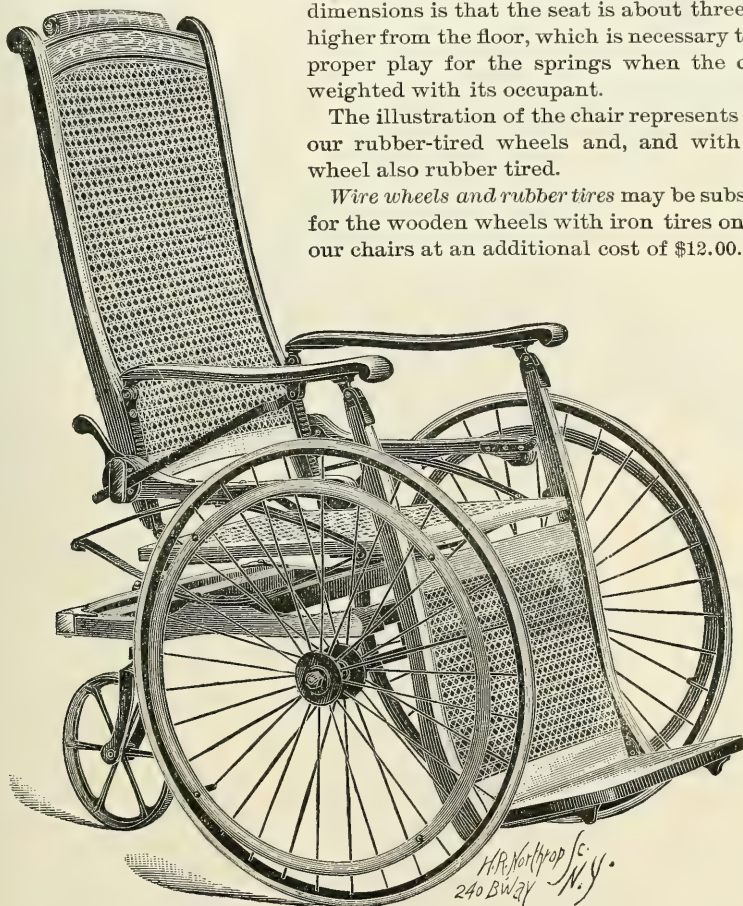
No. 140.

No. 140, so far as the body of the chair is concerned, is exactly the same as No. 130. It is, in fact, that chair adapted to springs.

Its adaptation to springs in no way affects its automatic working, the hip-joint pivotal points being in the same relative positions, and the only difference in the dimensions is that the seat is about three inches higher from the floor, which is necessary to allow proper play for the springs when the chair is weighted with its occupant.

The illustration of the chair represents it with our rubber-tired wheels and, and with castor wheel also rubber tired.

Wire wheels and rubber tires may be substituted for the wooden wheels with iron tires on any of our chairs at an additional cost of \$12.00.



PRICES.

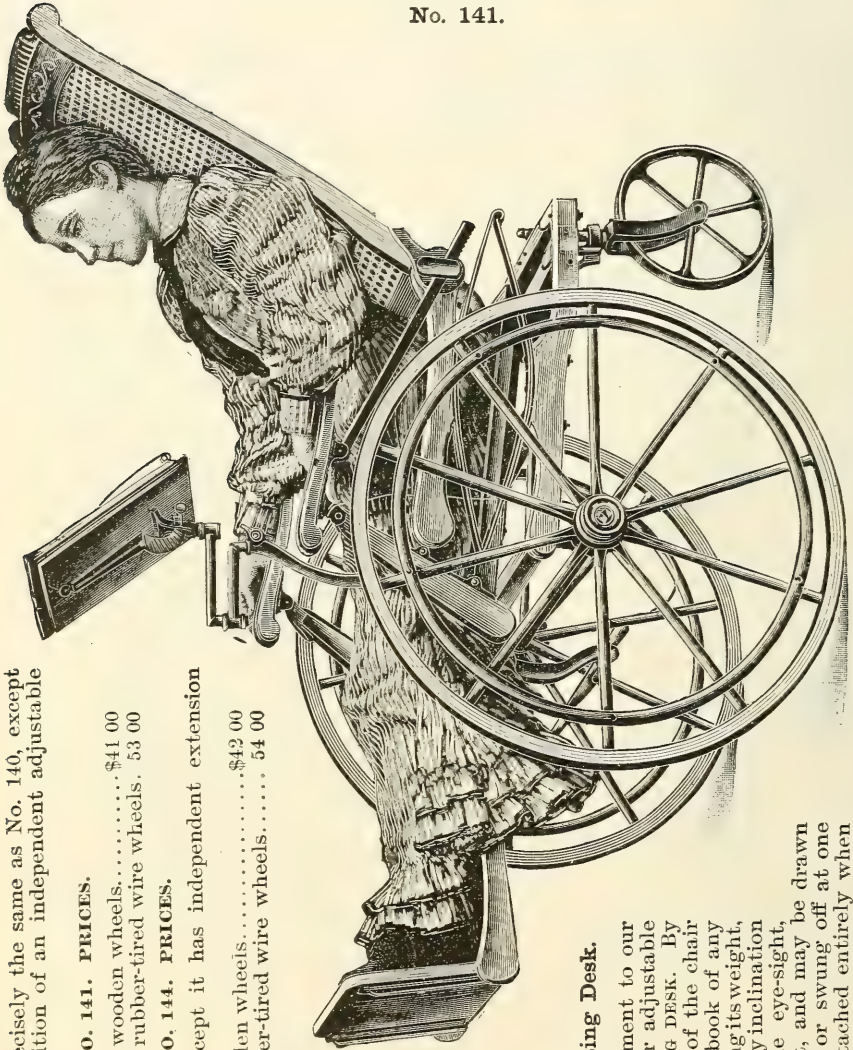
Oak, caned, wooden wheels, with iron tires.....	\$37 00
“ “ wire rubber-tired wheels.....	49 00

For prices of upholstery or cushions, push handles, canopies, reading desk or eating tray, send for special catalogue.

HAS TRUAX & GREENE & CO.

SARGENT'S ROLLING CHAIRS

No. 141.



READ PAGE 893.

This chair is precisely the same as No. 140, except that it has the addition of an independent adjustable extension leg rest.

NO. 141. PRICES.

Oak, caned, with wooden wheels.....\$41 00

Oak, caned, with rubber-tired wire wheels. 53 00

NO. 144. PRICES.

Same as 141, except it has independent extension divided leg rest.

Oak, caned, wooden wheels.....\$43 00

Oak, caned, rubber-tired wire wheels..... 54 00

Reading and Writing Desk.

A valuable attachment to our rolling chairs is our adjustable READING AND WRITING DESK. By its use the occupant of the chair is enabled to read a book of any size without sustaining its weight. It is adjustable to any inclination to accommodate the eye-sight, and also as to height, and may be drawn close to the person or swung off at one side, and may be detached entirely when not wanted. It is also equally well adapted for writing. Price, \$4.00.

HAS TRUAX & GREENE

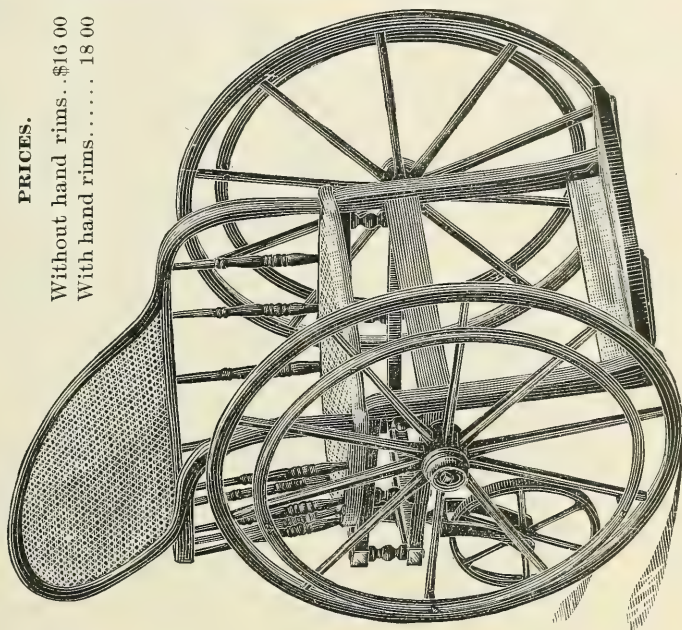
SARGENT'S ROLLING CHAIRS.

No. 150.

No. 150 is not a reclining chair. It has a stationery back, the frame of which is made of oak and is bent in circular form, braced by light turned balusters at the bottom, and caned at the top for a comfortable support to the shoulders.

PRICES.

Without hand rims..\$16 00
With hand rims..... 18 00

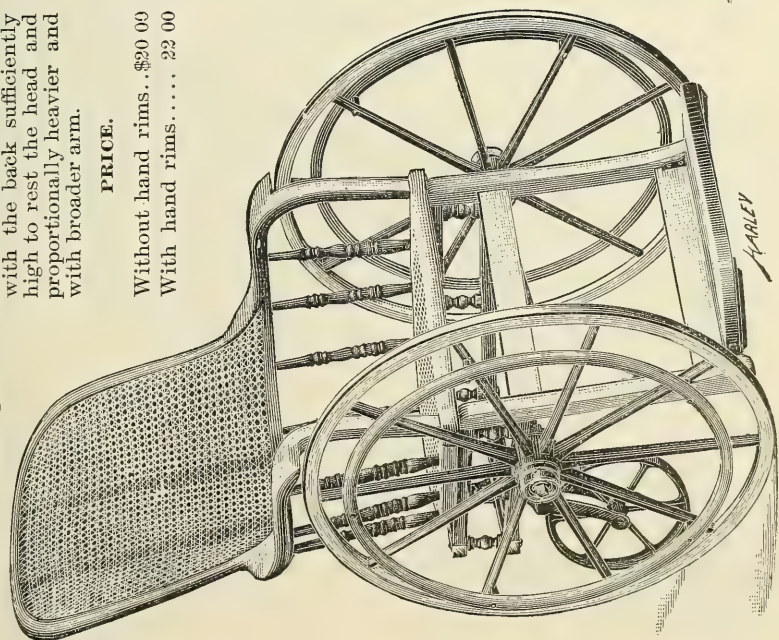


No. 151.

No. 151 is an oak frame chair, with back in circular form and of the same general construction as No. 150, but with the back sufficiently high to rest the head and proportionally heavier and with broader arm.

PRICE.

Without hand rims..\$20 09
With hand rims..... 22 00



READ PAGE 893.

HAS TRUAX & GREENE

SARGENT'S ROLLING CHAIRS.

No. 152.

No. 152 has a stationary body of exceedingly comfortable proportions, and with a good, broad arm.

The illustration given represents the chair with a back sufficiently high to rest the head. It is also made with a back only high enough to support the shoulders.

In ordering, please state which height of back is wanted.

PRICE.

Oak, caned. \$26 00
With independent extension Leg Rest. 30 00

No. 170.

No. 170. The body is of reed work, stained and varnished to match the wood work of the chair.

The back is strong, light and elastic, and sufficiently

high to support the shoulders, and the chair is a most comfortable one in

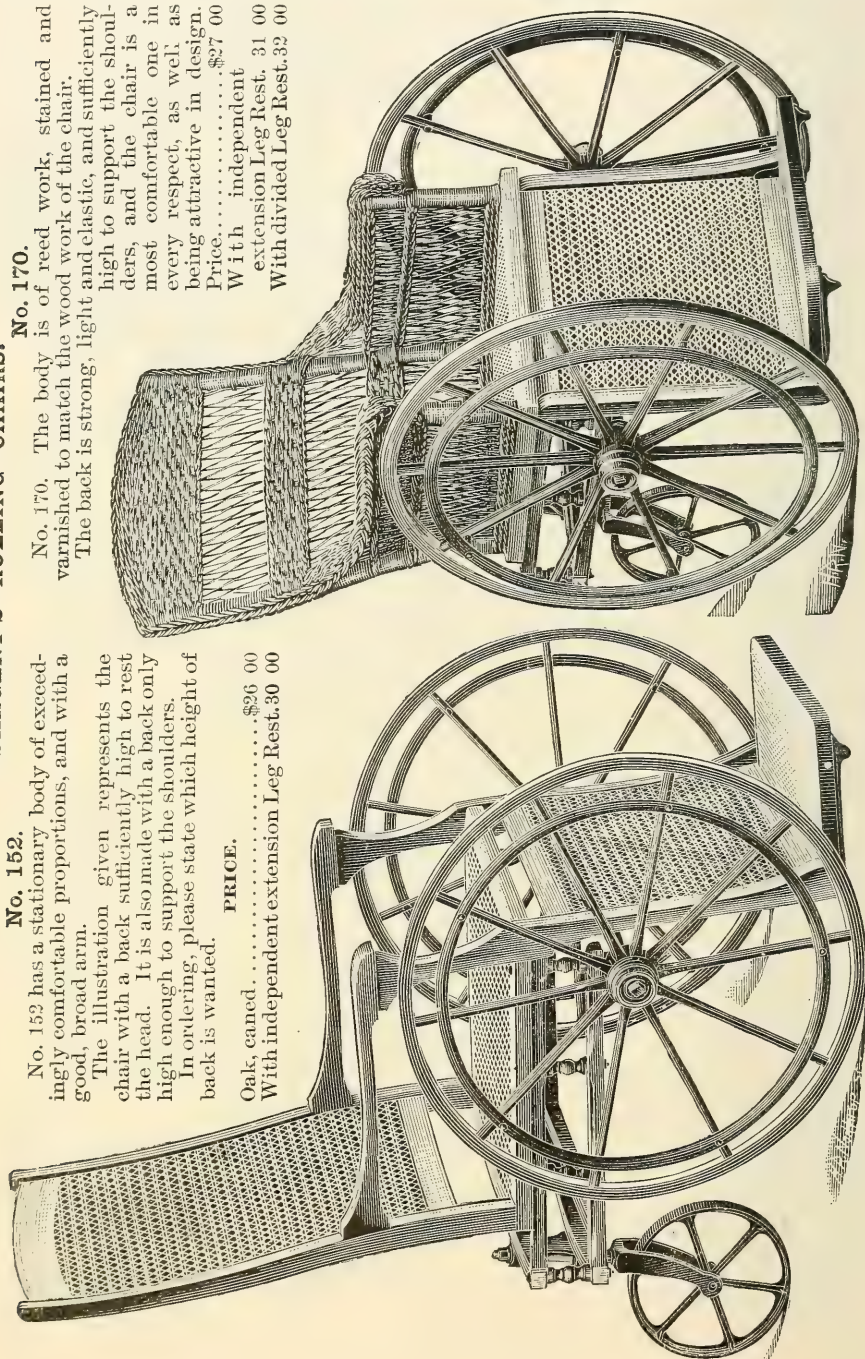
every respect, as well as being attractive in design.

Price. \$27 00

With independent

extension Leg Rest. 31 00

With divided Leg Rest. 32 00



READ PAGE 898.

HAS TRUAX & GREENE & CO.

SARGENT'S ROLLING CHAIRS.

No. 180.

No. 180 is a chair strictly for out of door use, the truck of which has two large rear wheels and two small wheels in front. This construction has a decided advantage over any chair with two large wheels in front and a single swivel wheel in the rear for street use, especially in crossing over curbed side walks. The body is of oak, with caned seat and back, and is very roomy and comfortable. The cut represents the chair with a back high enough to rest the head against. It is also made with a low back, only sufficiently high to rest the shoulders.



DIMENSIONS.

	INCHES.		INCHES.
Height of Back, low, } choice,	24	Height of Seat above Foot Board,	16 1/4
Height of Back, high,	29	Height of Seat above Floor,	21
Height of Arms,	9	Diameter of Back Wheels,	24
Width of Seat,	18	Diameter of Front Wheels,	10
Depth of Seat,	19		

PRICES.

With Wooden Back and Iron Front Wheels,	\$28 00
With Wooden Back and Rubber-Tired Front Wheels,	32 00
With Rubber-Tired Wire Back and Rubber-Tired Front Wheels,	42 00

No. 181 is a reproduction of the No. 180, on a scale suitable to children from six to fifteen years of age.....Price \$2.00 less.

No. 182 has the same truck as No. 180, with a body of wicker work, tastefully woven and shaped so as to secure comfort, with an elastic back sufficiently high to support the shoulders.....Price \$3.00 additional.

HAS **TRUAX** *AND* **GREENE** *& CO.*

SARGENT'S ROLLING CHAIRS.

No. 183.

No. 183 is as comfortable a street chair as can well be imagined, with which is combined a gracefulness of design that would be difficult to excel.

The principle on which the truck is constructed guarantees the greatest strength.

DIMENSIONS.

Height of Back.....	inches 26
Height of Arms.....	" 9½
Height of Seat from Foot Board.....	" 16
Height of Seat from ground.....	" 21
Height of Foot Board from ground.....	" 5
Depth of Seat.....	" 18
Width of Seat.....	" 17½
Size of Foot Board.....	inches 12x18
Diameter of Back Wheels.....	inches 24

Diameter of Swivel Wheels.....	" 7½
Width over all.....	" 27½
Total length, exclusive of Push Handle.....	" 48
Total Length, including Push Handle.....	" 54



PRICES.

With Wooden Wheels with Iron Tires, and Swivel Wheels with Rubber Tires.....	\$43 00
With Steel Wire Wheels with Rub- ber Tires, and Rubber Swivel Wheels.....	53 00

No. 185.

No. 185 is practically the No. 183, reproduced in a size suitable for children between the ages of 5 and 14 years. For description in detail, see page 910.

PRICES.

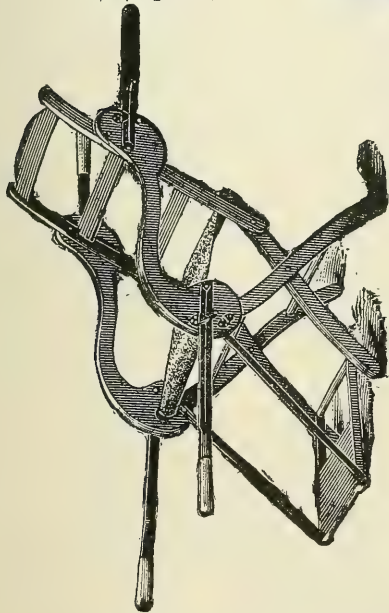
With Wooden Wheels with Iron Tires.....	\$35 00
Steel Wire Wheels with Rubber Tires.....	45 00

HAS TRUAX & GREENE & CO.

SARGENT'S CARRYING CHAIRS.

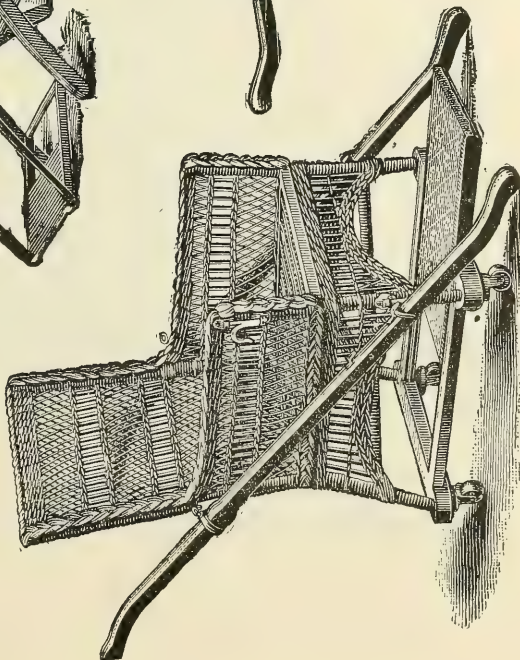
No. 112.

Width between arms....17 in.
Width over all.....19 in.
Total length with carry-
arms extended.....45 in.
Price\$12 00

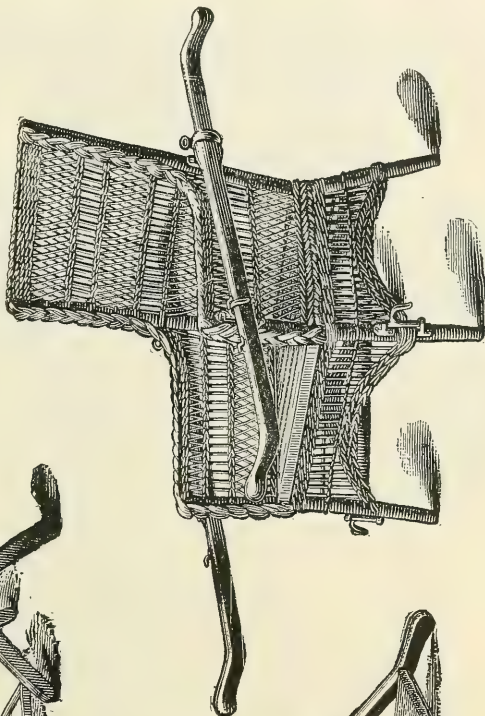


No. 110.

The carrying arms can be adjusted and fastened at different points for carrying the occupant up or down stairs, or on the level and the chair can be folded compactly.



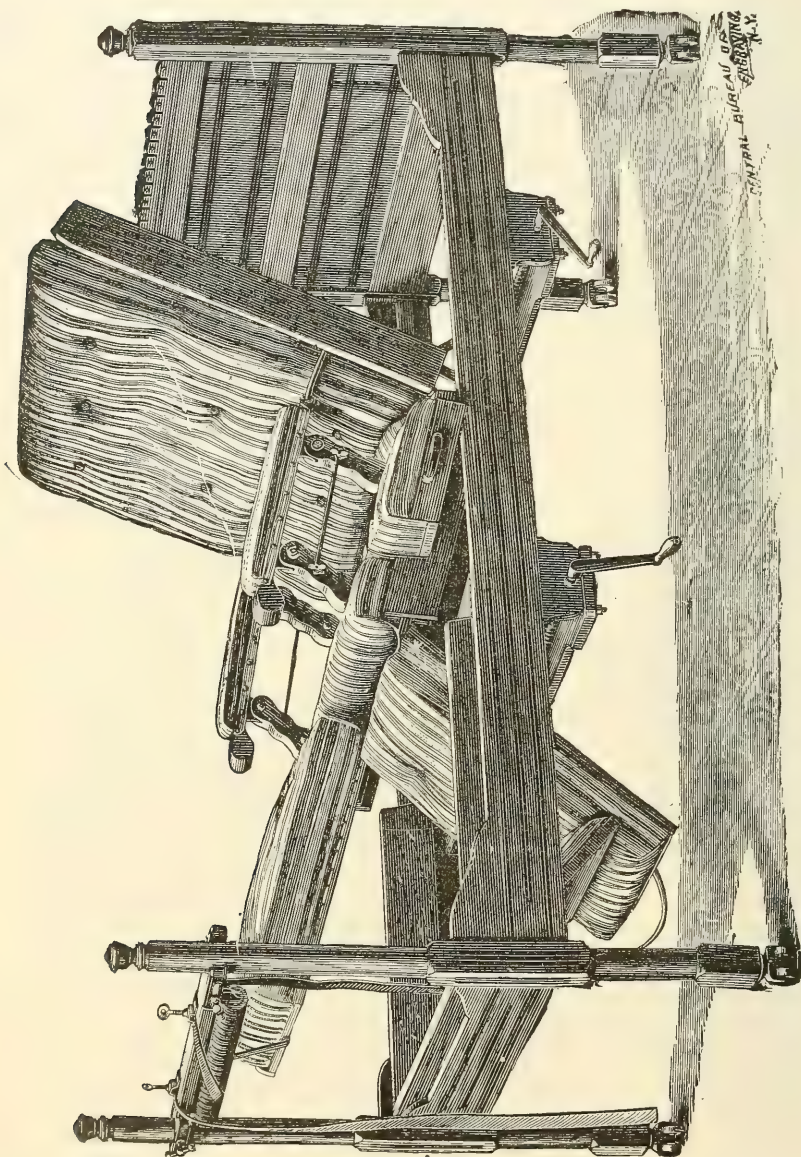
No. 111.



Price.....\$25 00 Price.....\$18 00
READ PAGE 893.

HAS TRUAX & CO GREENE

SARGENT'S INVALIDS' AND FRACTURE BEDS.



Price, complete,.....\$125 00

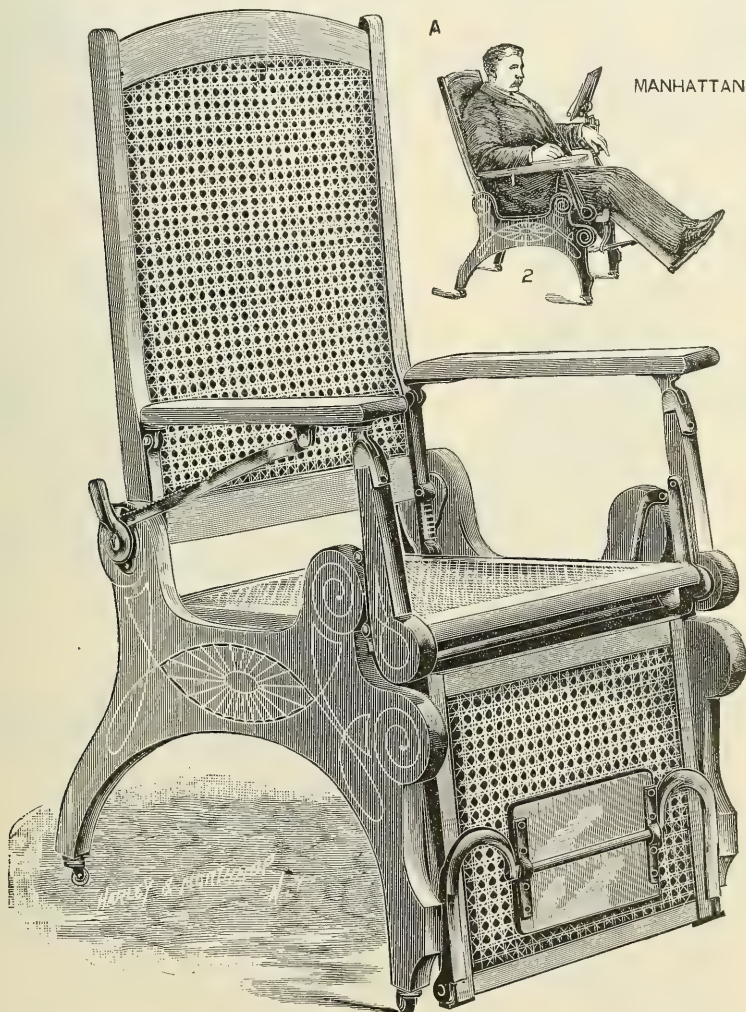
For details of construction, etc., send for special catalogue.

READ PAGE 893.

CHAS. TRUAX & CO. GREENE

SARGENT'S RECLINING CHAIRS.

Our full line of reclining chairs embraces four distinct series which are designated as follows: The "Manhattan," the "Knickerbocker," the "Regent," and the "Monarch." Under each of these individual names there is quite a variety, and taken collectively there is such an assortment that it would be difficult to imagine [OVER]



"THE MANHATTAN."

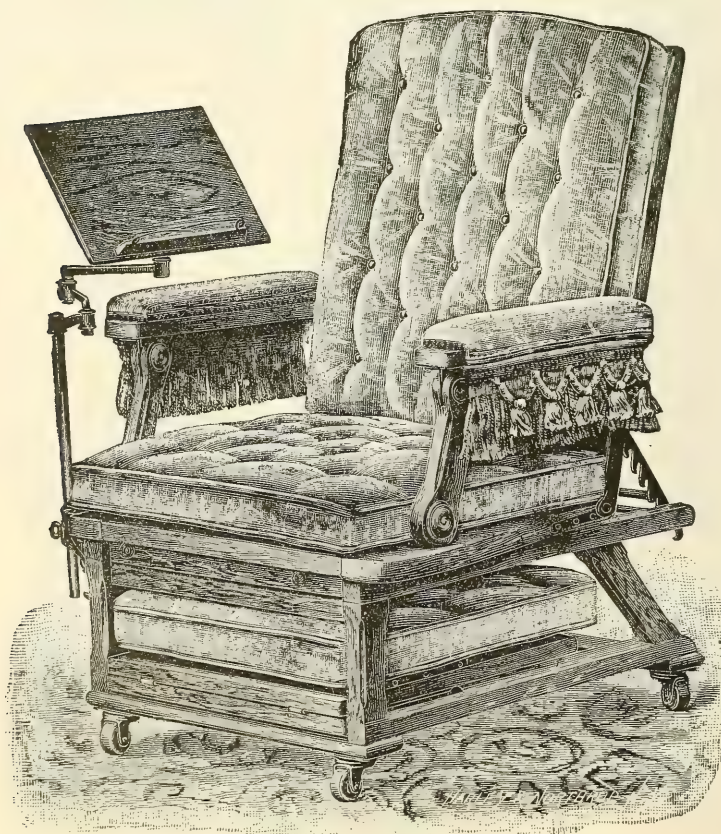
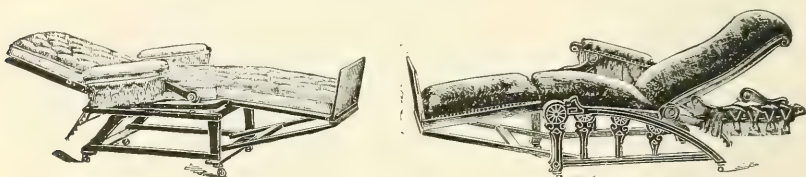
Caned and upholstered, prices from.....\$17 00 up

READ PAGE 893.

CHAS TRUAX & CO GREENE & CO

SARGENT'S RECLINING CHAIRS.

a requirement of either necessity or luxury that could not be satisfied. The illustrations herewith presented are representative styles. For details, prices, upholstery, etc., send for special catalogue.



"THE REGENT."

Caned and Upholstered, prices from.....\$25 00 up.

READ PAGE 893.



SARGENT'S "SOLID COMFORT" BACK REST.

The "Solid Comfort" Back Rest is designed to support the back of a person at any desired inclination while lying in bed. By its use the piling up of pillows, which heat the body and become quickly displaced, is avoided, and the user has a firm, though elastic support against which to lean. It is a luxury that one having once used would be very loath to dispense with; it saves much discomfort to the patient as well as much labor to the attendants. Its practical use is exemplified in Fig. 7.

Its construction is simple, its manipulation easy. The back is supported at any inclination by a ratchet underneath, and is tastefully covered with a stout linen duck, which is continued below the back and forms an apron. There are no cross rails to press against the body. The user while sitting on the apron holds the back rest in position, while the elasticity of the covering conforms to and gives a proper support to the back. They may be used either with or without pillows. The arms, as shown in Figs. 2 and 4, are arranged so that they may be folded down if not required, or they may be used level, regardless of the inclination of the back. The side head-rests, as shown in Figs. 3 and 4, are designed for the use of such as are unable to support the head in a sitting position, and are useful also for the purpose of holding the pillow in place.

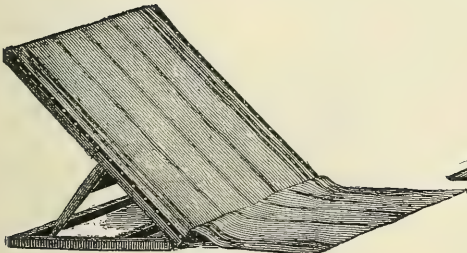


Fig. 1.

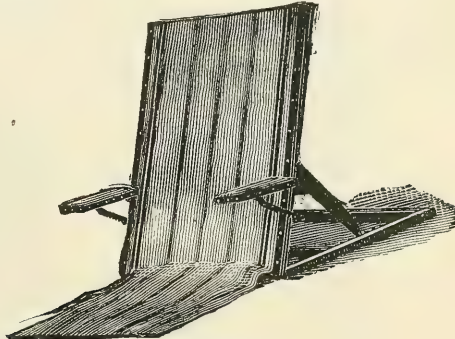


Fig. 2.

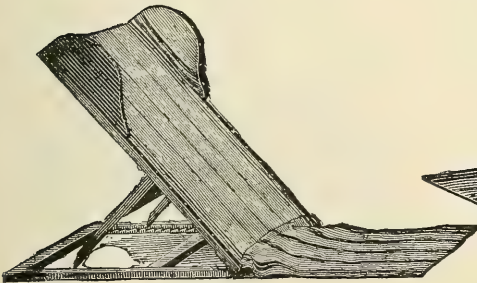


Fig. 3.

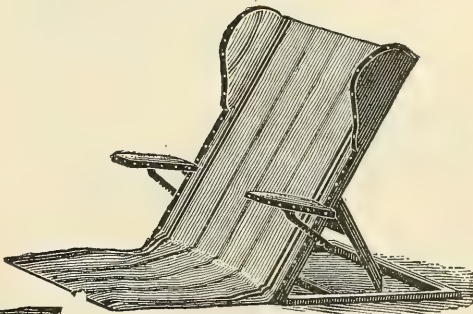


Fig. 4.

PRICES.

No. 1 (Fig. 1), Ash Frame, size 23x29 in.....	\$4 00
No. 2 (Fig. 2), " " " "	5 00
No. 3 (Fig. 3), " " " "	5 00
No. 4 (Fig. 4), " " " "	6 00
No. 5 (child's size), 17x19 in., same as No. 1, ash frame.....	3 00
No. 6 (slat back) same construction No. 1, for hospital use.....	4 00

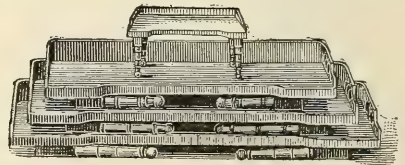
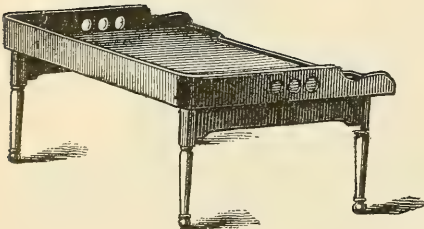
READ PAGE 893.

HAS **TRUAX** *TRAY* **GREENE & CO.**

SARGENT'S PATENT FOLDING BED TRAY,

Sargent's Patent Folding Bed Tray is an article now so universally known that comment is scarcely necessary. To appreciate it one need not be a confirmed invalid, for even in a case of temporary indisposition, or where one has occasionally to take a meal in bed, the comfort derived from its use is far in excess of the trifling consideration of its cost. But to those subjected to a prolonged sickness, or to a chronic invalid, it is a boon of priceless value.

The tops are constructed with a rim of five thicknesses of veneer, with the grains running crosswise, glued together and bent into shape. The front edge has a similar rim bent in shape, which forms a ledge to keep dishes, etc., from slipping. They are beautifully made and finished in a variety of woods. The folding legs are much stronger, as well as lighter, than in any other way they could be constructed, and also have the decided advantage of great portability. With the folding tray used in connection with our solid comfort back rest, as illustrated, a person can partake of a meal as comfortably as though sitting at a dining table.



PRICES.

No. 1.	Size, 15x23 inches; 8 inches high; black walnut, ash, antique oak or cherry	\$3 00
No. 2.	16x26 inches, 8 inches high; black walnut, ash, antique oak or cherry.	4 00
No. 3.	Crib size, 12x20 inches, 6 inches high; black walnut, ash, antique oak or cherry.....	2 50



SARGENT'S ADJUSTABLE FOLDING CRADLE OR BED FRAME,

FOR KEEPING THE BED CLOTHES FROM TOUCHING THE INFLAMED OR INJURED PARTS OF THE BODY OR LIMBS.

The advantage of this cradle over any other in use can not fail to impress any physician or nurse, either for private or hospital practice. The frame work is made of $\frac{3}{8}$ inch and $\frac{5}{8}$ inch rock maple dowels, the latter running through the former and riveted at right angles, which is at once the lightest and and strongest way they can be constructed. The corner joints are of light malleable iron, with thumb nuts, which lock sides at right angles with the top, as in Figs. 1 and 3; or at any inclination, as in Fig. 4; or folded, as in Fig. 2. The great advantage of folding is so obvious that not a word need be said.

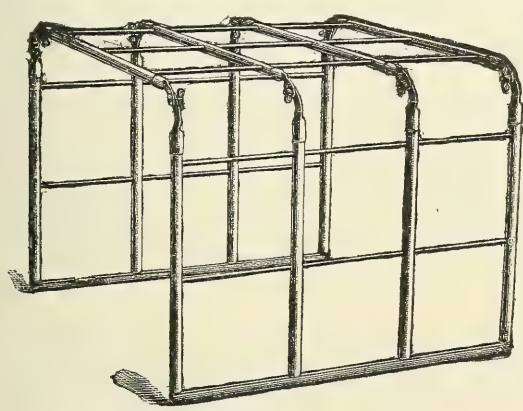


Fig. 1.

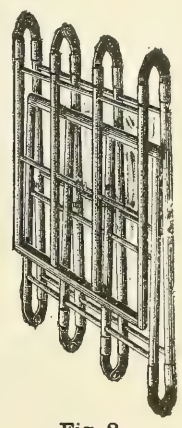


Fig. 2.

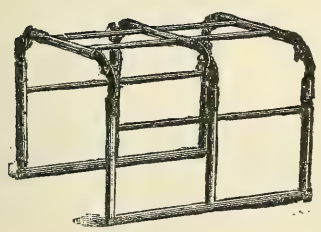


Fig. 3.

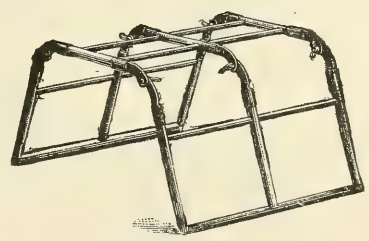


Fig. 4.

A set of these cradles should form a part of the requisites of every physician, and every hospital should possess a sufficient number to meet all demands.

Two or three of the large size form the most perfect arrangement possible for the giving of steam baths in bed. Standard size for body, 24 inches long, 22 inches wide, 16 inches high. Standard size for limbs, 24 inches long, 12 inches wide, 12 inches high.

PRICES.

Body size	\$3 00
Limb size	2 50



SARGENT'S IMPROVED AMBULANCE STRETCHER.

This stretcher is constructed on a new and novel principle. Fig. 1 represents it ready for use. Fig. 2 shows the arrangement of the canvas, and Fig. 3 shows it folded.

The poles pass through and are drawn out at the sides of the canvas, the same as in an ordinary stretcher. The cross rails are of oak, to which is affixed at the end an attachment of light malleable iron, which opens like a hinge on top for the admission of the poles, and locks them securely by the simple turning of a thumb screw. On the bottom of the fixture are jaws in which 3-inch lignum-vitæ wheels are riveted. The canvas divides length-wise in the center, as is indicated in Fig. 2, and is laced together by a flat leather strap. The advantage of this construction is, that when a patient is placed on the stretcher and put on a bed, the cross bars can be removed without disturbing the patient in the least, by releasing the thumb screw which locks the poles and withdrawing the leather strap which laces the canvas in the center; then the stretcher with the poles may be drawn from each side from under the patient with the least possible discomfort to him or effort to the attendant. The wheels are of advantage in keeping the stretcher a little elevated above the floor or ground, as well as for rolling.



Fig. 1.

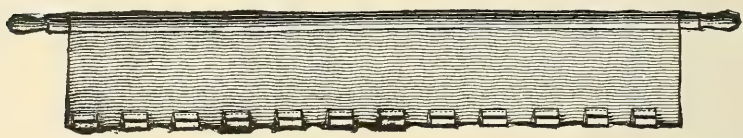


Fig. 2.

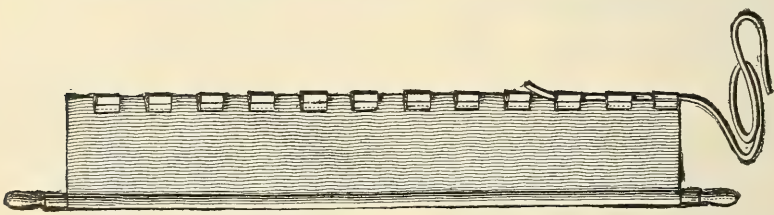


Fig. 3.

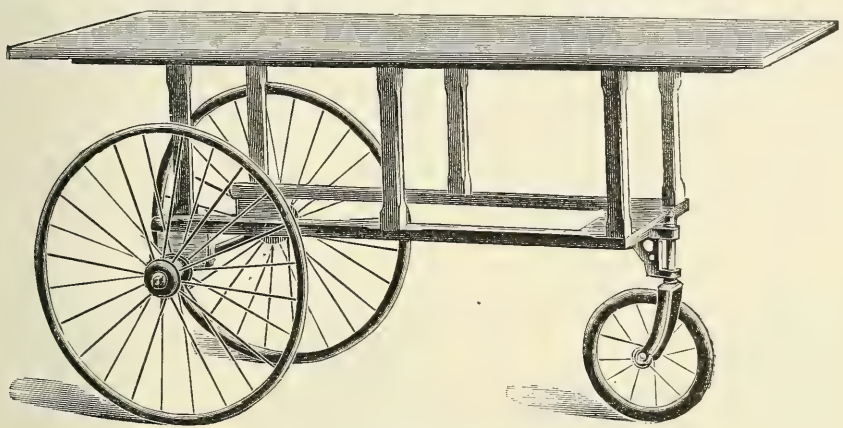
PRICES.

No. 1 (as shown above).....	\$8 50
No. 2, same as above except that the cross bars are of steel wire, looped ends to fit the poles.....	6 50
No. 3, plain canvas, with looped sides to fit the poles and steel wire bars.....	5 00

HAS **TRUAX** *AND* **GREENE** *CO.*

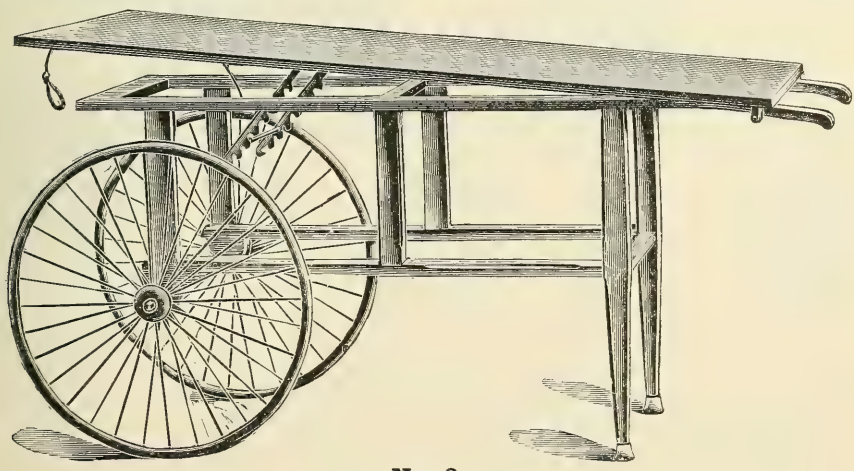
SARGENT'S HOSPITAL AMBULANCES.

The accompanying illustrations show the construction of two of the most approved models which have been selected from a large number that have been specially made from time to time from drawings and specifications furnished by various hospitals; and these are offered as "survivals of the fittest." Either one or the other is generally adopted as satisfactory by hospitals wishing an article of this sort after due examination according to their requirements.



No. 1.

No. 1, as will be seen is constructed with Two large side wheels and a swivel wheel; all of the wheels are of steel wire with rubber tires and it has a fixed level top.
 Price of No. 1.....\$48 00



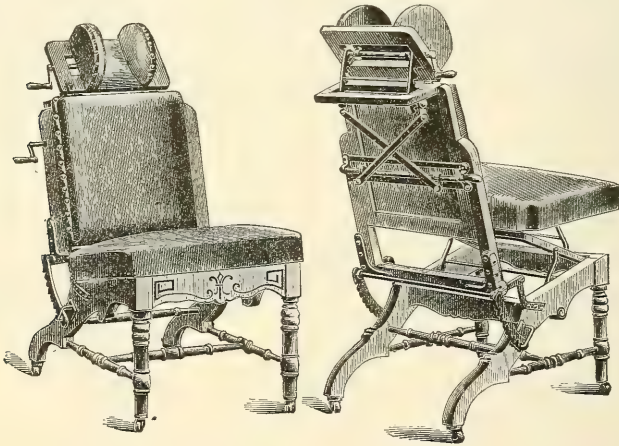
No. 2.

No. 2 is made with but Two large side wheels, and in place of the swivel wheel, it has two legs with rubber bottoms. The top instead of being at a fixed level, is adjustable supported by an under ratchet, so that it may be adjusted at a level when being wheeled. The handles are so arranged that they may be dropped when not in use.
 The woodwork is made from selected oak, the frames being very strongly put together by bolts. The standard size is 2 ft. wide, by 5 ft. 6 in. long, by 30 in. high. These dimensions may be modified to suit requirements.
 Price of No. 2\$50 00



THE KNAPP OCULIST'S CHAIR.

The illustrations herewith given represent what is known as THE KNAPP OCULIST'S CHAIR. The original model was furnished by the eminent specialist, Dr. Herman Knapp, of New York, to the manufacturers, The Sargent Manufacturing Co., by whom it was reconstructed, improved and put on the market, by the authority, and with the endorsement of Dr. Knapp. It is now the recognized standard among chairs of that class for oculists' operative purposes, and is more extensively used than any other.



A careful examination of the illustrations will give a correct idea of its construction. The back is both adjustable and extensible, with an adjustable sliding head jaw. The seat is also adjustable both as to pitch and height. The manipulation of the chair is simple and easily accomplished.

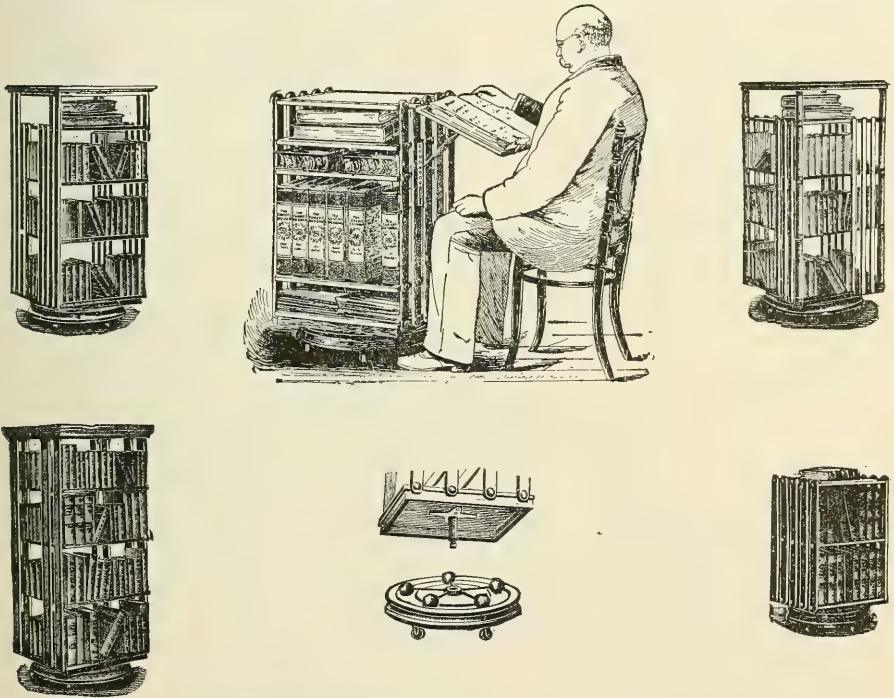
Price, antique oak frame, upholstered in leather, any color.,.....\$70 00



SARGENT'S PATENT ROTARY BOOK CASES.

The Rotary Principle is that of a Ball-Bearing Turn Table, which, with the aid of the accompanying illustrations and the following description, will be readily understood.

The base (which is of wood, built up of different planks with grains running counterwise to insure strength and protection from warping), is turned in circular shape with a groove on top near the outer edge. On top of the base is what we will term a rotary axle (technically known as a spider), having a hub and five radiating round steel spokes, on the end of each of which is a turned hard-wood ball of $2\frac{1}{4}$ inches in diameter. These balls are placed in the groove, while the spokes keep them at equal distances apart, with the hub directly over the center of the base.



The vertical spindle which is affixed to the center of the bottom of the case, projects downward to the center of the hub also through a hole in the center of the base, where it is secured. The Rotary Axle revolves loosely on the spindle, while the case, resting with equal bearing on the balls, revolves with the minimum of friction.

With absolutely no chance of oscillation or unsteadiness, and the movement, regardless of the size of the case or how heavily weighted, is easy and noiseless under any conditions. An article of office furnishing so perfect in principle, and so thoroughly adapted to the daily use of a physician can hardly fail to be appreciated.

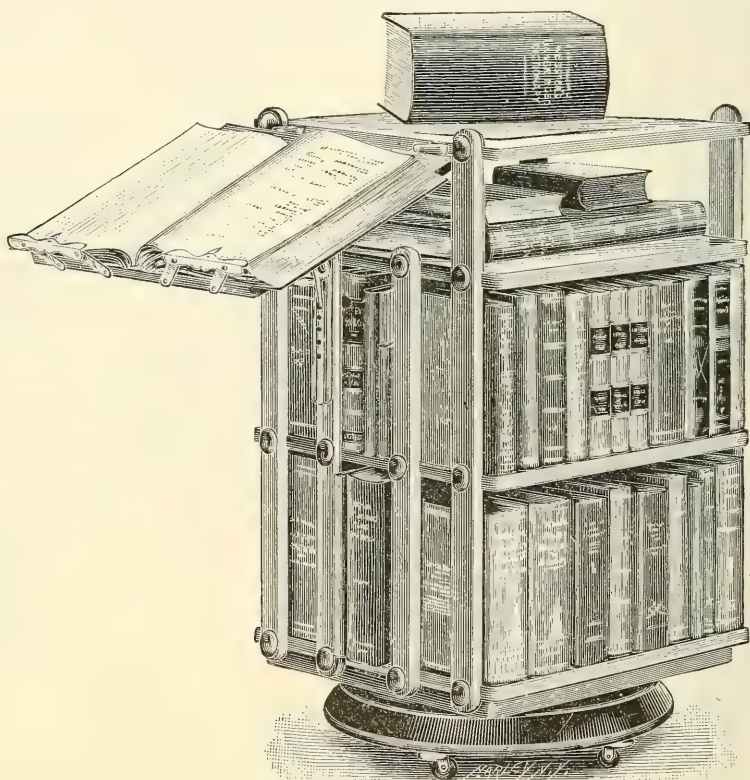


SARGENT'S PATENT ROTARY BOOK CASES.

The accompanying illustration represents our No. 3 case with adjustable shelf, which has proved to be a most popular case with physicians. It has about the capacity generally needed for books for ready reference, current literature, etc., and with the shelf, it forms a most complete working case.

PRICE.

In antique oak, birch finished light in imitation of natural mahogany, or dark in imitation of antique mahogany or black walnut.....	\$15 00
With adjustable shelf, extra.....	3 50



We publish a fully illustrated special catalogue of rotary book cases which embraces a great variety of styles and sizes, giving prices with every detail, which will be sent on application.

NOTE.—We call attention to our new rotary ball-bearing cabinet for physicians' use. Write for particulars.

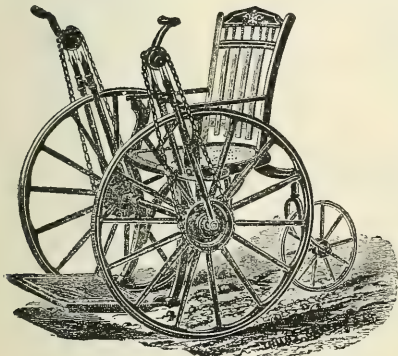
READ PAGE 893.



INVALID FURNITURE.

SELF-PROPELLING INVALID CHAIR.

PATENTED.



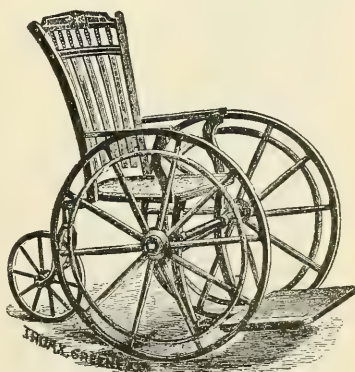
Self-Propelling Invalid Chair (patented).

Persons with weak or paralyzed limbs will find this machine the most convenient and practicable one of any yet introduced. It is perfectly safe, and easily propelled by means of cranks and endless chains running over sprocket wheels, as shown in this cut. Each wheel moves independently of the other, thereby enabling the operator to turn on the spot as well as move in any direction. This chair will prove the most valuable companion to invalids, not only on the street, but far more in the house. The foot rest can be so swung up so as to facilitate easy access to the seat. The motion of the cranks being transmitted by sprocket wheels three inches in diameter to those on the front wheels of six inches in diameter, the working power is doubled so that weak persons can propel it with ease. The machine will work comparatively well on rough or sandy roads ascending moderate inclination; its speed is that of an ordinary walk.

- No. 3. Child's self-propelling invalid chair, has 24-inch front and 12-inch hind wheel; the seat frame measures 16x15, substantially made of oak, with perforated veneer seat. The back is 20 inches high with comfortable arm rests. The connections are of malleable iron, the axles of steel, and steel suspension wheels. Will pass through a 26-inch doorway Price, \$25 00
- No. 4. Adult's self-propelling invalid chair, also constructed in the manner as represented in above cut. Height of back 22 inches, seat frame 18x18. The front wheels are 28 inches in diameter, hind wheels 14 inches, and are made of the very best material. All connections are of malleable iron, the axles of steel, sufficiently strong to carry 500 pounds. Will pass through a 28-inch doorway Price, 30 00

INVALID ROLLING CHAIR.

This cut represents the old style of invalid rolling chair, set up on strong substantial wheels, propelled by means of an outside ring to save hands from contact with dirt; occupant can thereby propel himself easily from place to place at pleasure. Steel suspension wheels, the axles of steel, connections of malleable iron, well braced and bolted together.



Invalid Rolling Chair.

- No. 1. Child's rolling chair, designed for children up to 14 years of age; has 24-inch front and 12-inch hind wheels. Seat frame measures 16x15, height of back 20 inches, substantially made of oak, with perforated veneer seat, and is supplied with comfortable arm rests. The connections are of malleable iron, the axles of steel, steel suspension wheels. Will pass through a 26-inch doorway Price, \$19 00
- No. 2. Adult's invalid rolling chair, constructed in a manner as represented in above cut. Seat frame 18x18, height of back 22 inches. Has 28-inch front steel suspension wheels and 14-inch hind wheel, made of the very best material. All connections are of malleable iron, the axles of steel, quite strong enough to carry a weight of 500 pounds. Will pass through a 28-inch doorway Price, \$24 00

N. B.—We make these chairs with three styles of wheels: wooden wheels, steel suspension wheels, and rubber tire suspension wheels. Unless specially mentioned by purchaser that wooden wheels are preferred; we will send STEEL SUSPENSION WHEELS, the price being the same. Rubber tire suspension wheels to fit any style of chairs, \$15.00 net extra.

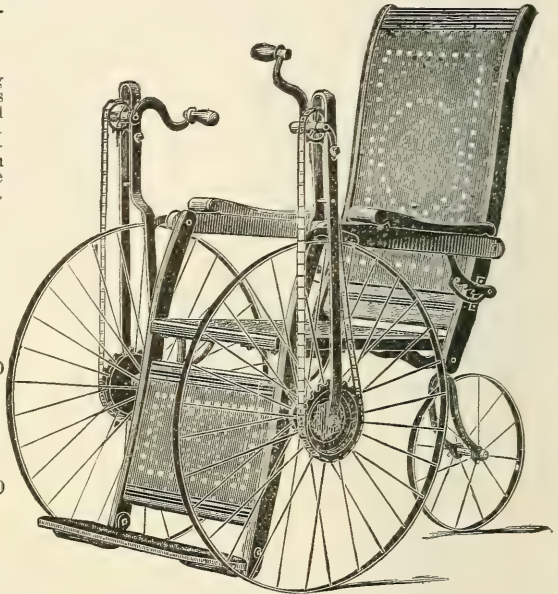


INVALID FURNITURE.

RECLINING INVALID PROPPELLER

This cut represents a Self-Propelling Reclining Invalid Chair. The frame is made of oak timber, with perforated seat and back, finished in natural wood. The chair is so balanced that the occupant may easily assume any position and hold the same by a ratchet. The propelling power is the same as our No. 4 Propeller.

- No. 8. Child's Reclining Invalid Propeller, designed for children under 15 years of age. Seat 16x15, back 10 inches high, with 25-inch front wheels and 12-inch hind wheel. Will pass through a 26-inch doorway. Price, \$24 00
- No. 9. Adult's Reclining Invalid Propeller, same as cut, seat 18x20, back 29 inches high with 28-inch front wheels and 14-inch hind wheel. Will pass through a 29-inch doorway. Price, 30 00
- No. 10. Adult's Reclining Invalid Propeller, same as No. 9, a cushion on back and front, made of raw silk or remie cloth. Will pass through a 29-inch doorway. Price, 36 00



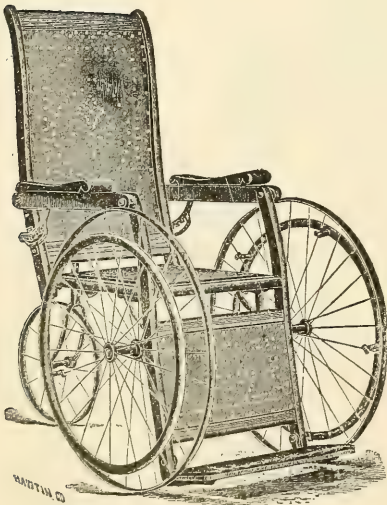
Reclining Invalid Propeller.

- No. 11. Adult's Reclining Invalid Propeller, same as No. 9, with a cushion on back, seat and front made of morocco leather tufted and filled with curled hair. Price, \$42 00
- No. 12. Adult's Reclining Propeller, same as No. 9. Back and front perforated veneers, supplied with steel wheels and rubber tires. Price, 48 00
- No. 13. Adult's Reclining Propeller, same as No. 12, with back, seat and front cushions made of colored leather, tufted and filled with curled hair. Price, 60 00

RECLINING INVALID ROLLING CHAIR.

The following represents a new style of Reclining Invalid Chair. The occupant can propel himself easily from place to place by means of outside rims, and is so balanced that the occupant can assume any desired position by raising or lowering a ratchet. Frame of chair is the same in construction and material as our No. 9 Propeller. It has steel suspension wheels.

- No. 35. Child's Reclining Invalid Rolling Chair, seat 16x15, back 19 inches high, front wheels 24 inches, hind wheel 12 inches. Will pass through a 26-inch doorway. Price, \$20 00
- No. 36. Adult's Reclining Invalid Rolling Chair, seat 18x17 inches, back 29 inches high, front wheels 28 inches, hind wheel 14 inches. Will pass through a 29-inch doorway. Price, 24 00



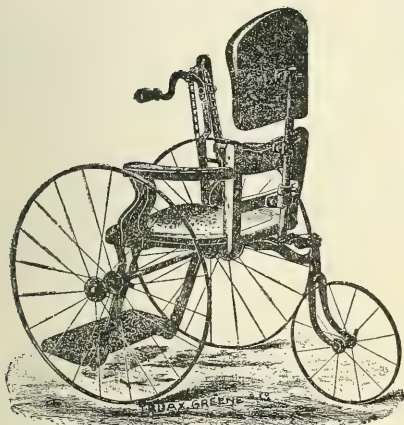
Reclining Invalid Rolling Chair.

N. B.—We make these chairs with three styles of wheels: wooden wheels, steel suspension wheels, and rubber tire suspension wheels. Unless specially mentioned by purchaser that wooden wheels are preferred; we will send STEEL SUSPENSION WHEELS, the price being the same. Rubber tire suspension wheels to fit any style of chair, \$15.00 net extra.



INVALID FURNITURE.

ONE-ARMED SELF-PROPELLING CHAIR.



One-Armed Self-Propelling Chair.

This cut represents a Self-Propelling Chair for an invalid who has the use of but one arm. The chair is guided in any direction by the back of the occupant, by bringing a little pressure to bear against the back of the chair, which is connected to the hind wheel by a cog. Should the occupant want to steer to the right he simply presses his back to the right side of the back of the chair and vice versa. The crank and endless chain can be attached to either front wheel, as desired. It can be made to go at a reasonable speed.

No. 50. Child's One-Armed Self-Propeller, has 24-inch front and 12-inch hind steel suspension wheels. Width of seat 16 inches. Back of chair is upholstered in leather, and can be adjusted to any height. The frame is substantially made of oak with perforated veneer seat, and has comfortable arm rest. The connections are of malleable iron, the axes of steel. Will pass through a 26-inch doorway. Price, \$30 00

No. 51. Adult's One-Arm Self-Propeller, is same in construction as No. 50. Width of seat 18 inches. Height of front wheels 28 inches; height of hind wheel 14 inches. Will pass through a 28-inch doorway. Price 63 00

IMPROVED SELF-PROPELLING INVALID CHAIR.

This cut shows a new style Self-Propelling Chair for invalids, which is convertible at pleasure to a reclining or sitting position. It is intended especially for persons with weak or paralyzed lower limbs, and is constructed with a view to practical convenience and safety. It is easily propelled by means of cranks and endless chains, running over sprocket wheels, as shown in the cut. Each wheel moves independently of the other, thereby enabling the operator to turn on the spot, as well as move in any direction. The foot rest can be swung up so as to facilitate easy access to the seat. The motion of the cranks being transmitted by its sprocket wheels of but three inches in diameter to those on the front wheel of six inches in diameter the working power is doubled, so that weak persons can propel it with ease. The machine will work comparatively well on a rough or sandy road, or when ascending a moderate inclination; its speed is that of an ordinary walk. This chair is intended for use both on the street and in the house. The chair is so balanced that the occupant may adjust it to any position and retain the same by means of a ratchet.

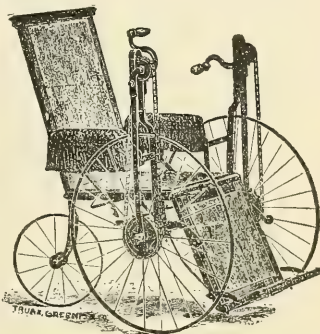
The back and foot rest work either independently or together. The latter is so made as to be adjustable to the length of the occupant, thus adding to the comfort.

No. 20. Adult's size, as accompanying style, frame is made of wrought iron, neatly japanned and ornamented, with perforated back, seat and leg rests; height of back, 32 inches; width of seat, 17x18; steel suspension wheels, 28-inch front and 14-inch hind wheel. Will pass through a 28-inch doorway Price, \$42 00

No. 21. Adult's size, same as above, cane seat, back and front fitted into the frames, upholstered arms. Price 48 00

No. 22. Adult's size, back, seat and leg rest upholstered in raw silk or remie cloth, and stuffed with curled hair..... Price, 54 00

No. 23. Adult's size, back, seat and leg rest upholstered in morocco leather, filled with curled hair, with rubber tire wheels.... Price, 72 00



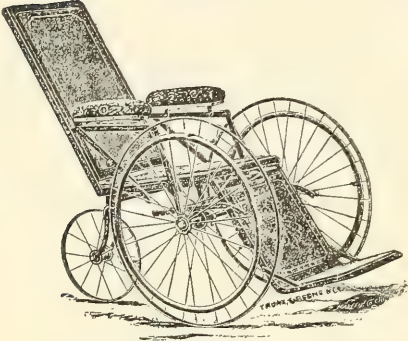
Improved Self-Propelling Invalid Chair.

N. B.—We make these chairs with three styles of wheels; wooden wheels, steel suspension wheels and rubber tire suspension wheels. Unless specially mentioned by purchaser that wooden wheels are preferred, we will send STEEL SUSPENSION WHEELS, the price being the same. Rubber tire suspension wheels to fit any style of chairs, \$15.00 net extra.



INVALID FURNITURE.

IMPROVED ROLLING INVALID CHAIR.



Improved Rolling Invalid Chair.

This cut shows an improved Invalid Rolling Chair, which is convertible at pleasure to a reclining or sitting position. Frame of chair is same in construction and material as our improved Self-Propelling Invalid Chair No. 20.

No. 24. Adult's size, as above style, frame is made of wrought iron, with perforated seat, back and leg rest, finished in the natural color of the wood. Height of back, 32 inches;

width of seat, 17x18; steel suspension wheels, 28-inch front and 14-inch hind wheels. Will pass through a 28-inch doorway.....Price, \$42 00

No. 25. Adult's size, same as above, cane seat, back and front, fitted into the frames; upholstered arms.....Price, 48 00

No. 26. Adult's size, back, seat and leg rest upholstered in raw silk or remie cloth, and stuffed with curled hair.....Price, 54 00

No. 27. Adult's size, back, seat and leg rest upholstered in morocco leather, filled with curled hair.....Price, 00 00

FOUR WHEEL ADJUSTABLE ROLLING CHAIR.

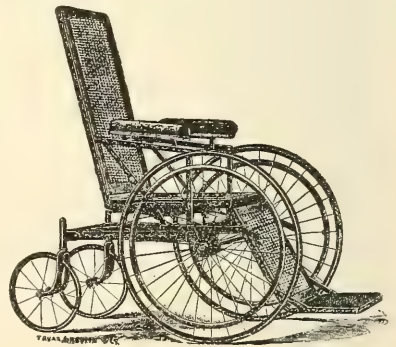
This chair is same in construction as No. 44, with exception of being rolled by outside rims, instead of being propelled by crank.

No. 40. Adult's chair with perforated seat, back and leg rest. Height of back, 32 inches. Size of seat, 17x18 inches, upholstered arm, back and leg rests.....Price, \$54 00

No. 41. Adult's chair, with caned seat, back and leg rests, as per cut.....Price, 60 00

No. 42. Adult's chair, upholstered in remie cloth throughout.....Price, \$66 00

No. 43. Adult's chair upholstered throughout in genuine morocco leather.....Price, 78 00



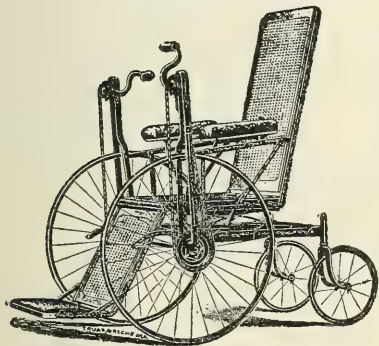
Four Wheel Adjustable Rolling Chair.

N. B.—We make these chairs with three styles of wheels; wooden wheels, steel suspension wheels, and rubber tire suspension wheels. Unless specially mentioned by purchaser that wooden wheels are preferred, we will send STEEL SUSPENSION WHEELS, the price being the same. Rubber tire suspension wheels to fit any style of chairs, \$15.00 net extra.

HAS TRUAX & GREENE

INVALID FURNITURE.

FOUR WHEEL ADJUSTABLE PROPELLING CHAIR.



Four Wheel Adjustable Propelling Chair.

This chair is especially gotten up for invalids suffering from paralysis or spinal affections; for whom it is desirable. The seat and frame rest on elliptic springs, otherwise it is the same in construction as our No. 20 propeller; chair frame is made of wrought iron, has 28-inch front and 14-inch hind steel suspension wheels.

- | | | |
|---------|---|----------------|
| No. 44. | Adult's chair with perforated seat, back and leg rest. Height of back 33 inches, size of seat, 17x18 inches, upholstered arm, back and leg rests..... | Price, \$60 00 |
| No. 45. | Adult's chair with caned seat, back and leg rest..... | Price, 66 00 |
| No. 46. | Adult's chair, upholstered in remie cloth throughout..... | Price, 72 00 |
| No. 47. | Adult's chair, upholstered throughout in genuine morocco leather..... | Price, 84 00 |

PATENT ROLLING CHAIR.

The cut represents a Rolling Chair, and is designed for an attendant to push, for which purpose a handle is attached to the back. The frame is made of oak with perforated seat and back, finished in natural color of the wood. It is placed on steel elliptic springs, thus making it easy riding, and very desirable for use out of doors. The frame is made in the most desirable shape for securing the comfort of the patient, and is balanced so that the front wheels are easily lifted from the ground in order to pass over obstructions. The axle is steel. The front wheels are iron and work on a pivot, allowing the chair to be easily turned. The hind wheels are made of the very best material.



Patent Rolling Chair.

- | | | |
|---------|--|----------------|
| No. 14. | Adult's rolling chair, same as per cut, seat 18 inches wide, back 26 inches high, front wheels 6 inches and hind wheels 28 inches. Will pass through a 28-inch doorway..... | Price, \$30 00 |
| No. 15. | Adult's rolling chair, same as above, with cushion made of raw silk on back, seat and front..... | Price, 36 00 |
| No. 16. | Adult's rolling chair, same as No. 14, with cushion back, seat and front made of morocco leather, tufted and filled with curled hair..... | Price, 42 00 |
| No. 17. | Child's rolling chair, same in construction as adult size, front wheels 4 inches, hind wheels 24 inches, width of seat 16x15, back 19 inches high, all connections malleable iron..... | Price, 24 00 |

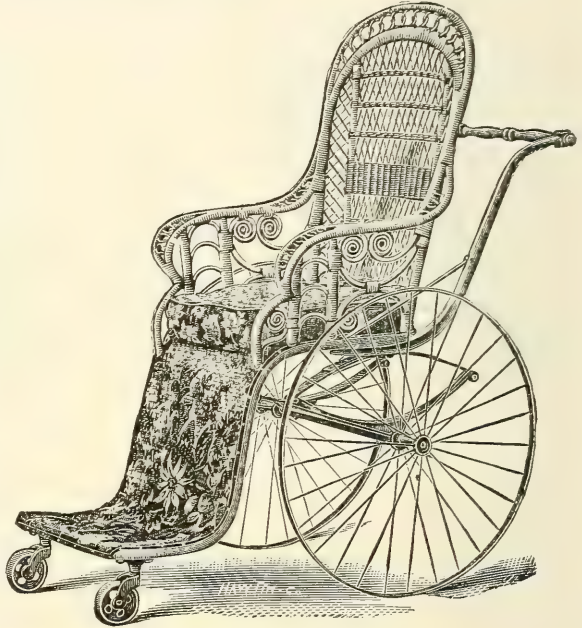
N. B.—We make these chairs with three styles of wheels; wooden wheels, steel suspension wheels, and rubber tire suspension wheels. Unless specially mentioned by purchaser that wooden wheels are preferred, we will send STEEL SUSPENSION WHEELS, the price being the same. Rubber tire suspension wheels to fit any style of chairs, \$15.00 net extra.

HAS TRUAX & CO. GREENE

INVALID FURNITURE.

COLUMBIA ROLLING CHAIR.

No. 33. Adult's size—style used at the Centennial. "TO ORDER"—Phaeton body, made of rattan, back 23 inches high, width of seat 17¼ inches, depth 19 inches, arm rest 11 inches high, seat covered with loose cloth, cushion stuffed with curled hair, carpeted leg and foot-rest, 4-inch front wheels, vulcanized flat rubber tired and bracketed on foot rest frame, swiveling independent of each other, rear steel suspension wheels 28 inches high, ½ oval iron tire, steel elliptic springs—altogether a handsome and comfortable chair. Will carry any weight. Will pass through a 28-inch doorway.
Price.....\$48 00

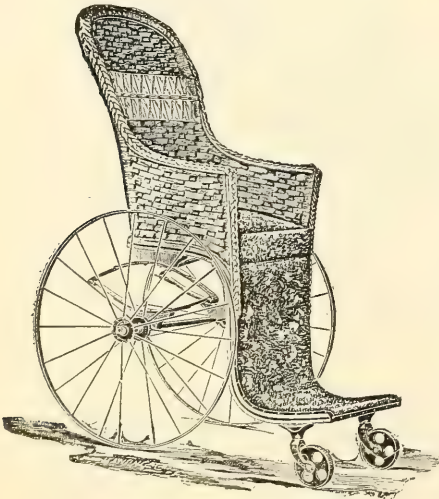


Columbia Rolling Chair. No. 33.

COLUMBIA ROLLING CHAIR.

No. 34. Child's size, "TO ORDER," same in construction as No. 33, rattan body, loose cloth cushion stuffed with curled hair, back 24 inches high, width of seat 14 inches, depth of seat 15 inches, arm rest 9 inches high, 4-inch front wheels, vulcanized flat rubber tired and bracketed on foot-rest frame, swiveling independent of each other, rear steel suspension wheels, 24 inches high, ½ oval iron tire, steel elliptic springs. Will pass through a 26-inch doorway.

Price.....\$42 00



Columbia Rolling Chair. No. 34.

N. B.—We make these chairs with three styles of wheels: wooden wheels, steel suspension wheels, and rubber tire suspension wheels. Unless specially mentioned by purchaser that wooden wheels are preferred, we will send STEEL SUSPENSION WHEELS, the price being the same. Rubber tire suspension wheels to fit any style of chair, \$15.00 net extra.

INVALID FURNITURE.

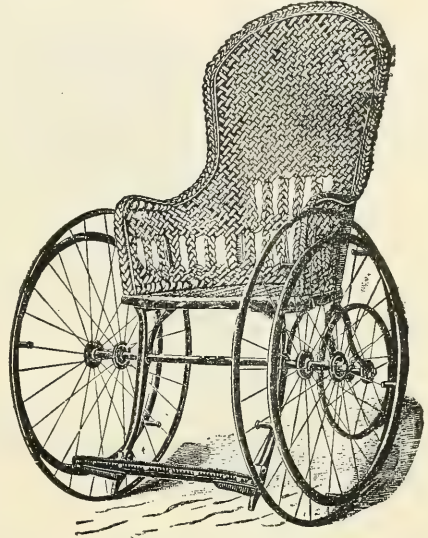
CANE SEAT ROLLING CHAIR.

This chair is the same in construction as No. 6, with the exception of propelling motion, having outside rim on wheels instead. We make the chair in two sizes.

No. 30. Child's Cane Seat Rolling Chair, has steel suspension wheels with outside rims. Front wheels 24 inches, hind wheel 12 inches, width of seat 14 inches, height of back 20 inches, height of seat from foot-board, 12 inches. Will pass through a doorway not less than 26 inches. Price, \$31 00

No. 31. Adult's Cane Seat Rolling Chair, as represented in cut, has steel suspension wheels with outside rims. Front wheels 28 inches, hind wheel 14 inches, width of seat 18 inches, height of back 29 inches, height of seat from footboard 17 inches. Will pass through a doorway not less than 28 inches. This chair is a very desirable one for use outdoors as well as in the house. Price, 36 00

No. 32. Same as No. 31— with rubber tire suspension wheels. Price, 54 00



Cane Seat Rolling Chair.

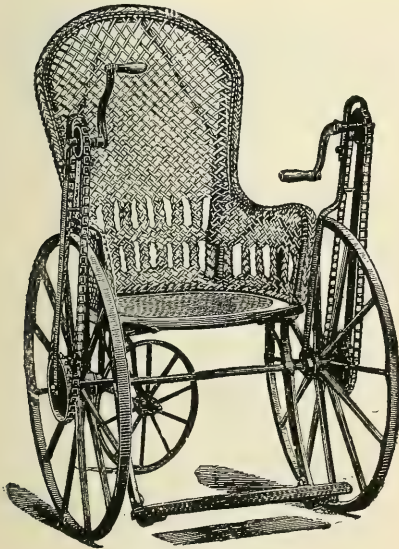
CANE SEAT SELF-PROPELLER

Is the same in construction as No. 4 Propeller, with the exception of seat, which is of cane, with roomy rattan back and comfortable arm rest, thus making it a very cool, and at the same time a strong and substantial chair. We make this chair in two sizes.


No. 5. Child's Cane Seat Self-Propelling Chair, general appearance same as cut. Front wheels 24 inches, hind wheel 12 inches, width of seat 15x15, height of back 20 inches. The connections are of malleable iron. Will pass through a doorway not less than 26 inches. Price, \$36 00

No. 6. Adult's Cane Seat Self-Propelling Chair, as represented in cut. Front wheels 28 inches, hind wheel 14 inches, width of seat 18x20, height of back 29 inches. The connections are of malleable iron. The axles of steel. Will pass through a doorway not less than 28 inches. Price, 42 00

No. 7. Adult's Cane Seat Self-Propelling Chair, size and construction same as No. 6; 28 inch front and 14-inch hind wheels made with steel spokes, hollow steel rims, round rubber tires Price, 60 00

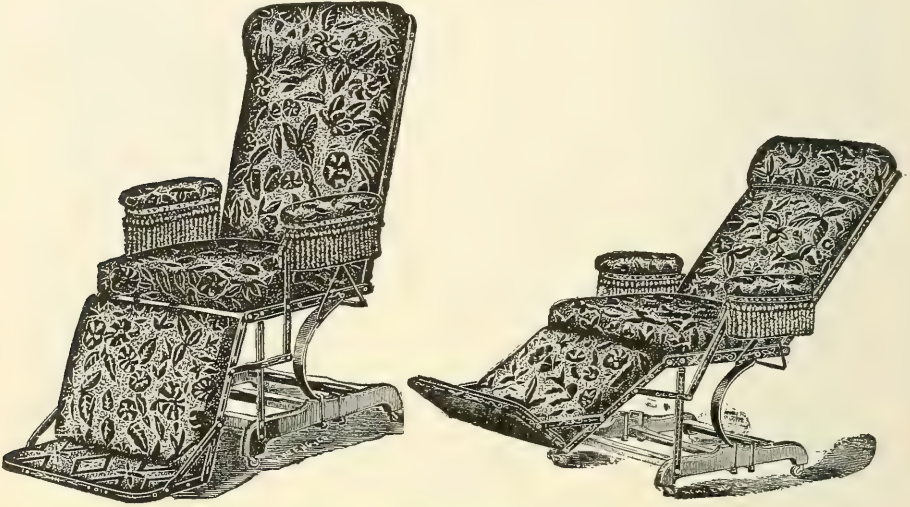


Cane Seat Self-Propeller.

 N.B.—We make these chairs with three styles of wheels: wooden wheels, steel suspension wheels and rubber tire suspension wheels. Unless specially mentioned by purchaser that wooden wheels are preferred, we will send STEEL SUSPENSION WHEELS, the price being the same. Rubber tire suspension wheels to fit any style of chairs, \$15.00 net extra.

HAS TRUAX & CO GREENE

INVALID FURNITURE.



PARLOR RECLINING CHAIR.

The advantages of this chair over all others is in its simplicity, lightness and durability. A special feature of our chair is its simple mode of construction [see above cut], which is entirely different from any other chair in the market. The seat is pivoted upon two semi-circular springs made of the best tempered cast steel. The bending of the supporting springs under the weight of the occupant gives the chair an easy up and down movement. It is the only chair that can be changed to various positions by raising or lowering a knob on either side of the chair. This chair has our heartiest recommendation; no person should be without one who wishes to enjoy solid comfort, a luxury realized only by a trial. The frame is of the best wrought iron, neatly japanned and ornamented; back seat and leg rest have springs.

Finished in six different styles, as follows:

- | | | |
|--------|---|---------|
| No. 1. | Parlor Chair, has perforated veneer seat, back and leg rest. | \$24 00 |
| No. 2. | Parlor Chair, cane seat, back and front fitted into the frame; upholstered arms. | 30 00 |
| No. 3. | Parlor Chair, upholstered in remie or imitation raw silk, springs in back; seat and leg rest, filled with curled hair. | 36 00 |
| No. 4. | Parlor Chair, upholstered in mohair plush (imported); springs in back; seat and leg rest, filled with curled hair. | 42 00 |
| No. 5. | Parlor Chair, upholstered in genuine leather (any shade); springs in back; seat and leg rest, filled with curled hair. | 48 00 |
| No. 6. | Parlor Chair, upholstered in silk plush, imported (any shade); springs in back; seat and leg rest, filled with curled hair. | \$54 00 |

N. B.—Upholstery is trimmed with fringe to match quality of material.

IMPROVED CARRYING CHAIR.

- No. 17. The cut represents a Carrying Chair for carrying an invalid up and down stairs or on a level; it also makes a comfortable arm chair; handles on front and back of chair, which can be extended out or lowered at leisure; oak frame, well riveted; figured Brussels carpet on seat and back. Back 31 inches high, width of seat 20 inches, depth of seat 18 inches; strong enough for the heaviest person Price, \$14 50



Improved Carrying Chair.

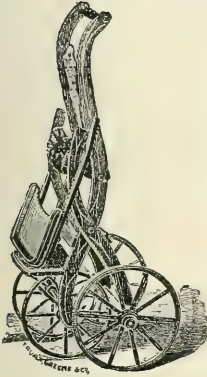
HAS **TRUAX & GREENE** & CO.

INVALID FURNITURE.

CHILD'S INVALID CHAIR.

Patented July 29, 1889.

The cuts represents a new construction of chair which is connected with four wheels, and so arranged that the table in front and the arms and the back can be folded into a small compass. Since the introduction of this chair, the sale has been constantly increasing on account of its many merits. It has proved to be a very desirable article in the house as well as a rolling chair for weak babies and infant invalids. The wood parts are bent of tough young timber, nicely shaped and well finished and ornamented. The seat is of carpet, the axles of wrought iron. The wheels are strong and substantial, and have welded oval tires. The invalid Perambulator, being very light of weight, can easily be carried to parks and picnic grounds. Price, \$5.50.



Folded.



Open.

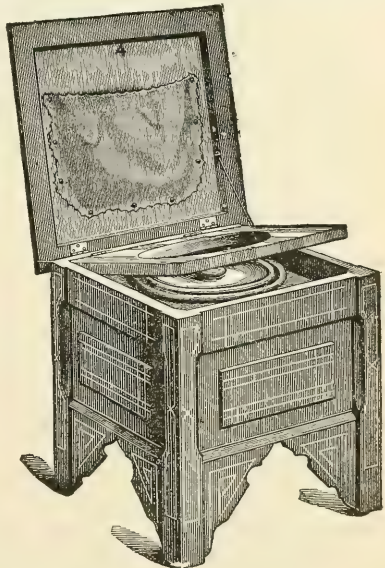
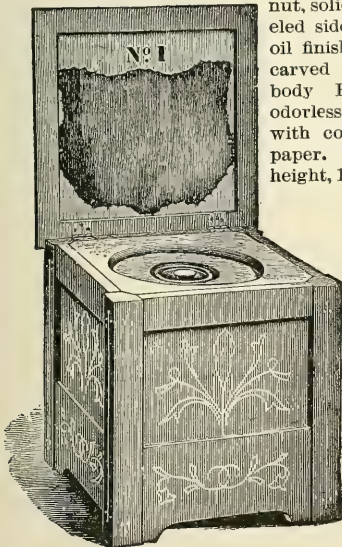
Price of parasol top in different style attached to these chairs, \$3.00 to \$4.75.

Child's Invalid Chair. Patented July 29, 1889.

COMMODOES.

No. 1. Commode—Walnut, square legs, oil finish, rubbed and carved, with top covered in Brussels carpet, pocket for paper, porcelain pan and hardwood lid, passing through seat and fitting pan tight, a great improvement on the old style. Size, 16x16; height, 17 inches. Price, \$7 50

No. 4. Commode—Walnut, solid legs, with paneled sides and brackets, oil finished, rubbed and carved top, covered in body Brussels; patent odorless porcelain pan with cover; pocket for paper. Size, 16x16 in.; height, 18 in. Price, \$11 00



Invaluable in
Case of
Sickness.
A Valuable
Piece of
Furniture.

NO HOUSE SHOULD BE WITHOUT IT.

N. B.—We make these chairs with three styles of wheels: wooden wheels, steel suspension wheels and rubber tire suspension wheels. Unless specially mentioned by purchaser that wooden wheels are preferred, we will send STEEL SUSPENSION WHEELS, the price being the same. Rubber tire suspension wheels to fit any style of chairs, \$15.00 net extra.



REPAIRING, PLATING, ETC.

We will receive surgical instruments and medical apparatus of every description for any required repairs—sharpening, polishing, nickel, gold or silver plating, etc. While space does not admit of any extended price list for these items, the following, relating to many instruments in general use, will be found convenient, and by affording an opportunity for comparison, will serve as an index, to some extent, for other instruments of similar size and form. Charges for repairing sets and large collections of instruments will be in proportion to time expended.

Attention is invited to the desirability of nickel-plating, as an ornament and protection for many instruments of steel and other metals. It will be found useful for most instruments, excepting those with edges.

Instruments may be sent to us, plainly addressed, by mail or other conveyance. As we frequently receive similar articles by the same mail, in order that we may recognize each and avoid mistakes, besides our address, senders will please write "from," followed by their own address on each parcel. (Nothing besides the above should be written upon or within the package, if sent by mail, parcel post.) A letter or postal card should be mailed at the same time, stating number and kind of instruments sent, and kind of repairs required.

Amputating knives, sharpened and crocus polished, small	25c.; medium, 50c.;	
large		\$0 75
“ saws, large, polished, 50c.; polished and plated		75
“ saws, small, polished 25c.; polished and plated		40
Artery forceps, polished, 25c.; polished and plated		30
“ new spring		40
Aspirator pumps, repacked and polished, 50c.; polished and plated		75
“ needles, sharpened		15
“ “ polished and, repaired, with nickel		40
Atomizers, steam, repaired, brass parts polished		1 00
“ “ brass parts polished and nickel-plated		2 50
“ “ new sheet iron boiler stand		1 00
“ “ new medicine cup, 10c.; glass drip cup, 15c.; tube, 15c.; face shield		50
“ hand, new bulbs (single)		35
“ hand, new valves	each 10c. to	25
“ metal tubes, cleared, 15c.; polished and nickel-plated		35
Bone forceps, polished, small and medium, 25c.; large		40
“ “ and nickel-plated, small and medium, 40c.; large		65
BUGGY CASE REPAIRS.		
Bottles, all sizes, see index for millimeter scale		
Buttons	doz	15
Corners	set of 8	85
Hinges, end	pair	50
Hinges, middle	each	25
Locks, plain slide		20
Name plate		20
Re-covered	2 00 to 4 00	
Re-lined	1 50 to 5 00	
Trimnings, nickel	1 50	
Catheter, metal, form restored, soldered, etc	.25c to	50
“ “ re-curved	.25c to	50
Crutches, lengthened	per pair \$1 00	
“ new tops, according to style	per pair, \$1 00, \$1 50 and 2 00	
Dissecting scalpels, sharpened and polished		15
“ forceps, polished		15
“ “ nickel-plated and polished	.25c to	5



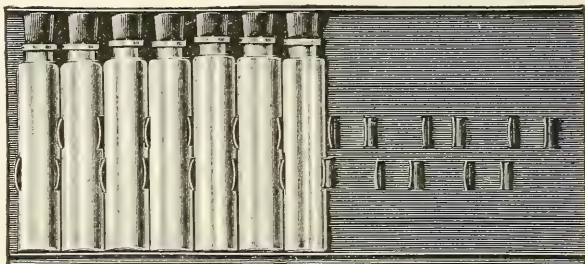
REPAIRING, PLATING, ETC.

Ecraseurs, cleansed and polished.....	\$0 50 to \$1 00
Elevators, Elliott's, recovered.....	1 00
“ Ludlam's, new spring.....	1 00
Eyes, Artificial, repolished, (<i>breakage at risk of owners</i>).....	3 00 to 4 00
Eye knives, forceps and scissors, sharpened and polished.....each	15 to 25
Fever Thermometers, register and scale restored (<i>breakage at risk of owners</i>).....	25 to 50
Fever Thermometers, chains for cases.....	25
Forceps, Uterine, polished, 25c.; polished and plated.....	35
Galvanic Batteries, Electrical Machines, etc., repaired and supplied with new conducting cords, elements, etc.	
Hypodermic Syringes, new barrels, glass, plain.....	30
“ “ “ graduated.....	45
“ “ “ packing.....	25
“ “ repacked and piston.....	60
“ “ new needles. See page 960.	
“ “ needles sharpened and polished.....	15
“ “ “ cleared.....	15
Lancets, Abscess, Bleeding, Vaccinating, sharpened and polished each.....	15
OBSTETRICAL INSTRUMENTS.	
Obstetrical Forceps, polished.....	75
“ “ “ and nickel-plated.....	1 00
Blunt Hooks and Crotchets, polished.....	20 to 40
“ “ “ and nickel-plated.....	35 to 65
Perforators, polished.....	30 to 50
“ “ “ and nickel plated.....	40 to 60
Placenta Forceps, polished.....	25 to 40
“ “ “ and nickel-plated.....	50
Ophthalmoscopes, New Round Mirrors: Leibrich's, 75c.; Loring's and Knapp's.....	1 50
Pessaries, all kinds, polished.....	25 to 50
Pocket case instruments, sharpening and polishing, each blade.....	15
“ “ “ “ scissors.....	15 to 25
“ “ “ “ forceps.....	15 to 25
“ “ “ “ polished and nickel plated.....	35
“ “ “ new cases.....	1 00 to 3 50
Sound, Uterine, polished and silver-plated.....	30
“ Urethral, “ nickel-plated.....	25
Syringes, Enema, new bulbs and cleansed.....	75
“ “ “ valves.....each	10 to 25
“ “ “ tubing.....	25 to 50
Stethoscopes, Camman's metal tubes, nickel-plated.....	50
“ “ “ new hard rubber or ivory ear tips.....each	25
“ “ “ flexible tubing attached.....	1 00
“ “ “ hard rubber or wood parts, bells.....	25 to 75
Speculums, metallic, rectal and vaginal, polished.....	40 to 65
“ “ “ “ and nickel-plated... ..	60 to 80
Scarificators, sharpened and polished.....each blade	15
Tooth Forceps polished.....	25
“ “ “ and repointed.....	75
“ “ “ nickel-plated.....	40
Tourniquets, new straps.....	50
Tonsilotomes, sharpened and polished, 75c, to \$1.00, and plated.....	1 00 to 1 50
Trocars, Hydrocele, etc., polished and repointed.....	15
Trusses, new spring.....	75 to 1 25
Tubes, Waxham, Intubation, gold plating.....	60
Valves for Parker's cups.....	60
All other repairing promptly attended to.	

HAS TRUAX (TRA) GREENE & CO.

BUGGY AND HAND CASES.

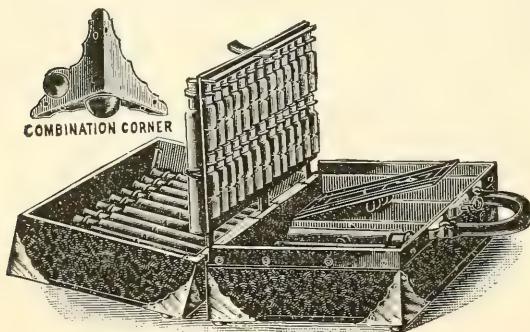
This illustration shows style of the new Climax Spring (patented). The only perfect bottle holder in existence. Made of finest spring brass and heavily nickel-plated. The newest and best. We have further improved all cases in which the Climax springs are used by finishing them with leather covered metal flanges at both top and bottom of rows of vials. By the use of these two improvements the bottles are absolutely prevented from breaking and the corks can not possibly fall out. Every physician will appreciate these all-important points. We can furnish any case quoted here with leather loops instead of springs at



Climax Spring.

same price. If wanted in this way be sure to specify.

No. 1900. BUGGY CASE.



No. 1900. Buggy Case.

tains nine 1-ounce vials, twelve 4-drachm vials and thirty 3-drachm vials. Made with Climax springs. Price, \$8.00 net, with loops, at same price.

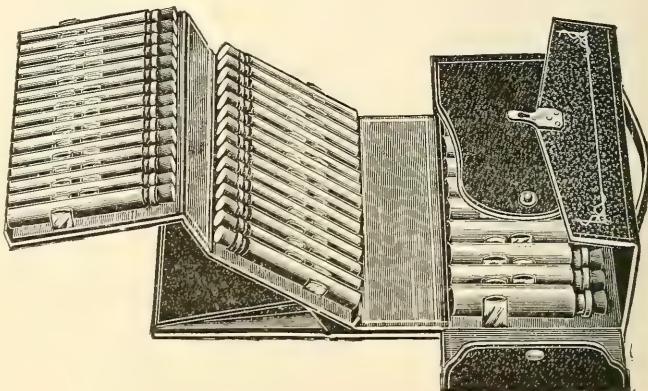
Made of extra fine and heavy grain leather, leather lined throughout, mounted with German silver combination corners, nickel spring lock with key and name plate. Dimensions: 12 inches long, 7 $\frac{1}{4}$ high, 5 $\frac{1}{4}$ wide. Contains twenty-six 3-drachm vials, twenty-six 1-ounce vials and four 3-ounce bottles. Has space for powder papers, instruments, etc., etc. Fitted throughout with the Climax spring, making the case the most durable and convenient buggy case on the market. We quote this case at the special net price of \$7.20, with loops, same price.

No. 1902. BUGGY CASE.

Similar in style and general appearance to No. 1900, but smaller. 10 $\frac{1}{2}$ x5 $\frac{1}{4}$ x4 $\frac{1}{4}$. Made of finest seal grain leather. Con-

No. 1956. HAND CASE.

Made of fine morocco leather, leather lined throughout, strong flexible stitched handle, nickel catch and neatly hand creased. Three fold, very compact. Dimensions: 8 $\frac{1}{4}$ inches long, 4 inches high, 2 $\frac{1}{2}$ inches wide. Contains two rows of fifteen 2-drachm vials, one row of ten 3-drachm vials, fitted throughout with Climax springs. Contains pocket for papers, powders, etc. Price, \$4.80, with loops same price.

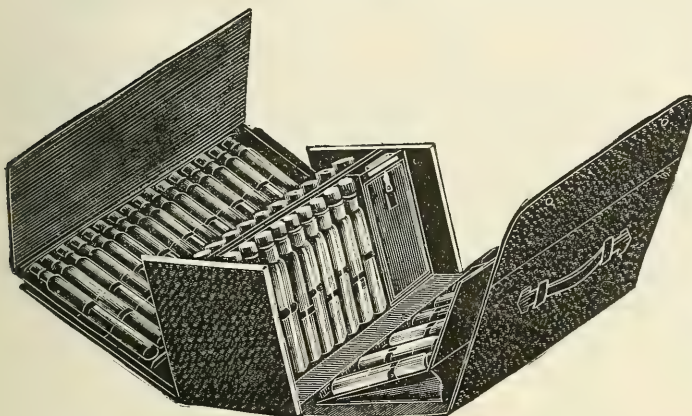


No. 1956. Hand Case.

HAS TRUAX & CO. GREENE

HAND CASES.

No. 1953. HAND CASE.



No. 1953. Hand Case.

Made of fine black seal grain leather, heavy stitched leather handle, two metal catches; 10 inches long, $4\frac{1}{4}$ inches high and $3\frac{1}{4}$ inches wide. Contains one graduate minim measure, ten 4-drachm vials, eight 2-drachm vials and thirty-two 1-drachm vials. Climax springs throughout. Has pocket for powder papers and compartment for hypodermic syringe. Price \$5.20, with loop, same price.

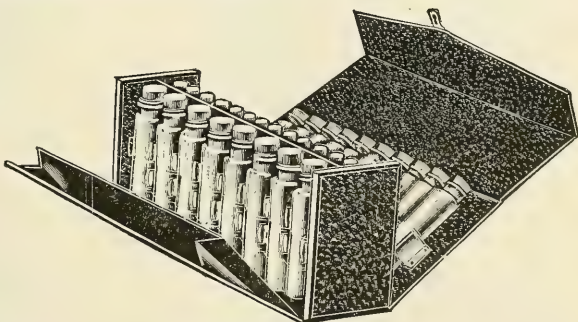
No. 1927. HAND CASE.

Made of fine grain leather, leather lined throughout. Dimensions: 10 inches long, $4\frac{1}{2}$ inches high, 3 inches wide. Contains eight 6-drachm vials, ten 4-drachm vials, twelve 2-drachm vials. Pocket for powder papers, etc. Climax springs throughout. Price, \$3.20, with loop, same price.

No. 1905.

Same in seal grain leather. Leather lined throughout.

Price, \$3.60, with loops, same price.

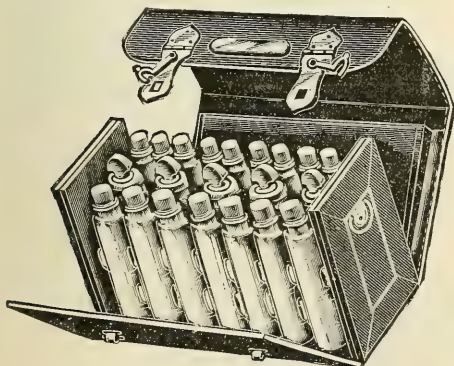


No. 1927. Hand Case.

No. 1920. HAND CASE.

This case is made of best sole leather, hand stitched, flat sole leather handle, finely hand creased, two nickel clasps and rings at ends for shoulder strap. Climax springs throughout. Contains five 2-ounce square glass stopper bottles set in compartments in body of case, seven 6-drachm vials and nine 1-drachm vials. Pocket for powder papers, etc. Price, \$4.20, with loops, same price.

Same, with shoulder strap, 40c. extra.



No. 1920. Hand Case.



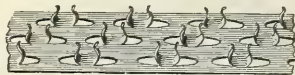
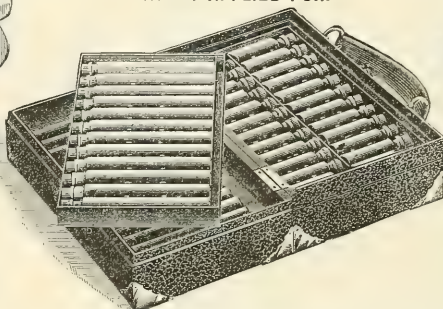
The "Columbia" Aseptic Medicine Case.

PATENT APPLIED FOR.



CAPTAIN CORNER
Corner, solid foot
and socket for
same in one
piece.

Patented Aug. 16,
1892.



TRADE MARK
WESTERN
WARRANTED

Comstock Silver-
Plated Metal
Springs,

FOR HOLDING BOTTLES.

Cut from continuous strip of
spring brass silvered and
lacquered.

Patented Sept. 2, 1890.

Dimensions—10¾ in. long, 6¼ in. high, 4½ in. wide.
Contains 24 1-oz. and 24 8-dr. vials, also space for sundries 10x5½x7½ in.

THE outside is made of extra **heavy** black, grained Leather (waterproof), stitched around the edges, and is fitted with the Captain Patent Improved Combination Corners, Nickel Spring Lock and Key, and substantial Handle.

The **inside** consists of metal trays to which are securely riveted the Comstock Patent Metal Springs for holding the vials, also metal flanges at head of corks. All are **silver plated** and lacquered to **prevent** corrosion.

TRADE MARK
WESTERN
WARRANTED

PRICE EACH, COMPLETE, - - \$9.00.

All our cases are fitted with the **Comstock Patent Silver-Plated Springs** for holding bottles, and the **Captain Patent Improved Combination Corners**. Like all good inventions, they have forced competitors to adopt worthless imitations, and to resort to inexcusable deception, by implying that these imitations are also patented. The distinctive features of our springs are, that they are cut from a continuous plate of the finest of spring brass, the base of the spring being a part of the plate, and arranged diagonally, to bring the bottles next to each other. This plate is silverplated and then lacquered to prevent corrosion, and **securely riveted** to the case, thus greatly strengthening the foundation to which it is riveted. The spring is shaped like the letter U, forming a uniform curvature around the bottle, thus admitting of an adjustment of several millimeters when bottles vary in diameter. Springs otherwise formed will not admit of this adjustment. See cut of our spring herewith, at right above.

The Captain Patent Improved Combination Corner has the corner, **solid foot** and socket for same, in one piece. It allows medicine cases to open perfectly flat on a straight surface, and takes the entire strain from the hinges. Also prevents cases from flopping or rocking when open. When the feet are separate from the corners, they are easily knocked off, or if hollow, easily wear through, and without the socket mentioned above, the hinges are constantly breaking. See cut of this corner, above, at the left. Other distinctive features of our cases are **extra-heavy annealed bottles**, **dust guard**, **flanges** at head of corks to keep them in, and the best of workmanship throughout. Ask your dealer for our goods or send to us direct.

We manufacture over one hundred different styles of Cases, Obstetric Bags, Instrument Cases, etc.

SEND FOR CATALOGUE TO CHAS. TRUAX, GREENE & CO.

OR TO

WESTERN LEATHER MFG. CO.

SOLE MANUFACTURERS,

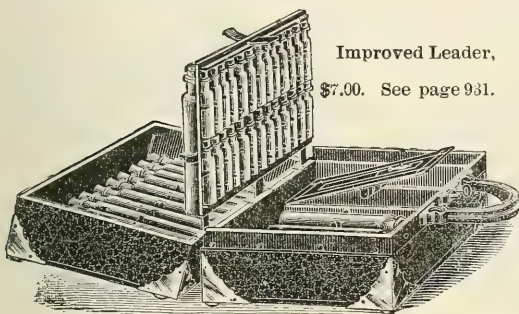
31 ILLINOIS STREET,

CHICAGO, ILL.

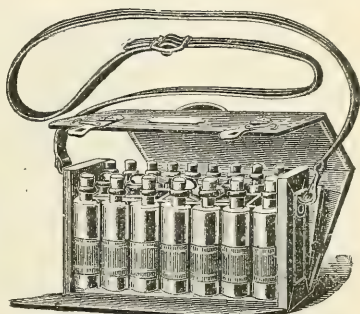
HAS **TRUAX** AND **GREENE** & CO.

TRADE MARK.
 ESTD.
WESTERN
 1875
 WARRANTED.

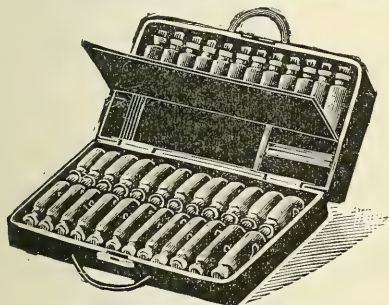
BUGGY AND HAND CAGES.



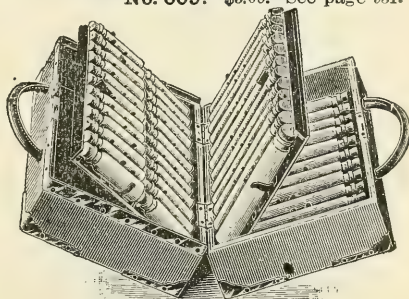
Improved Leader,
\$7.00. See page 931.



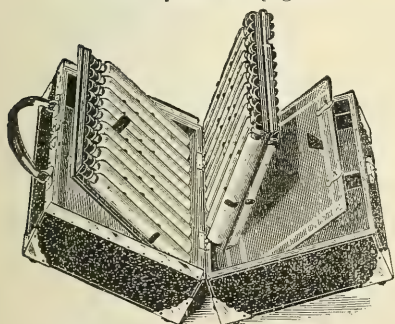
No. 609. \$5.00. See page 931.



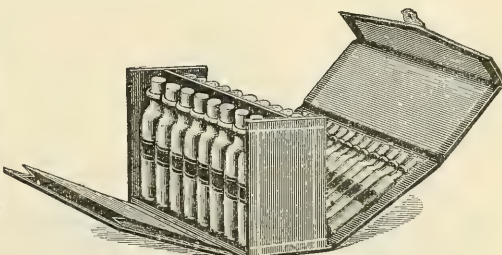
No. 1891. \$7.25. See page 931.



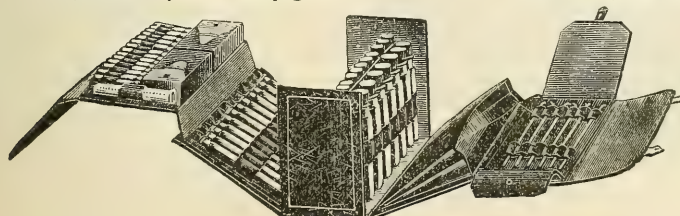
No. 1898. \$10.75. See page 931.



No. 1906. \$10.00. See page 931.



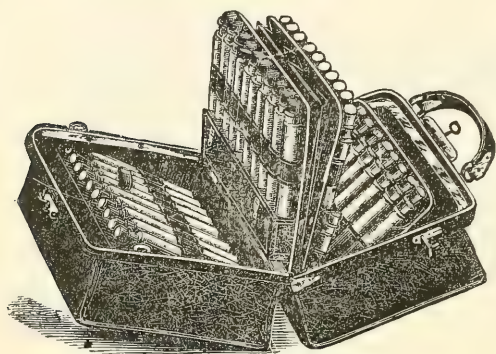
No. 660. \$4.25. See page 931.



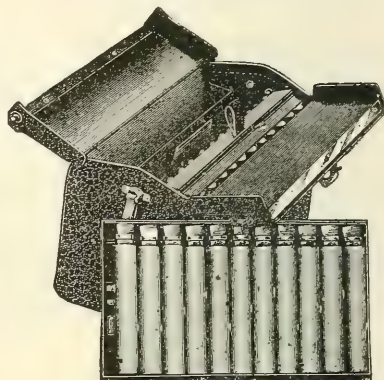
No. 670. \$9.00. See
page 931.

TRADE MARK.
ESTD.
WESTERN
1878
WARRANTED.

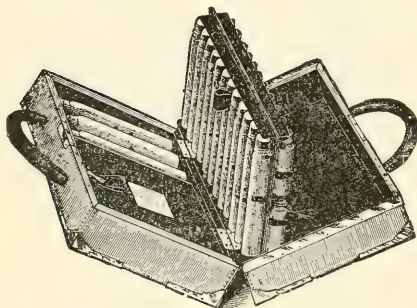
BUGGY AND HAND CASES.



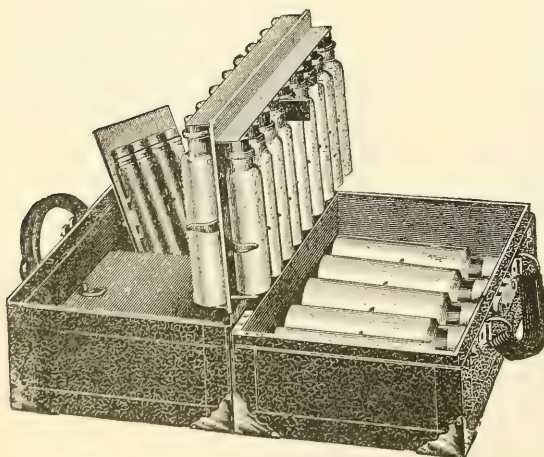
No. 740. \$10.75. See page 931.



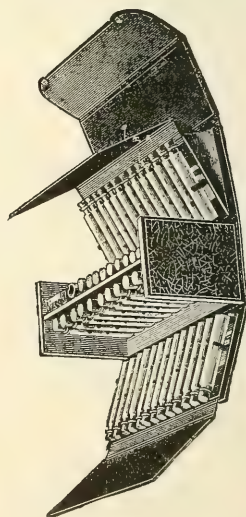
No. 1909. \$10.75 See page 931.



No. 1895. \$10.00. See page 931.



Nancy Hanks. Vet. Case. \$10.00. See page 931.



No. 1907. \$5.50. See page 931.



BUGGY AND HAND CASES, FITTED WITH
PATENT SILVER-PLATED SPRINGS AND
PATENT CORNERS.

IMPROVED LEADER.

Made of best black water proof grain leather, stitched edges, substantially lined, contains 5 2½-ounce, 6 1-ounces and 26 3-drachm vials, also box for sundries. Dimensions 12x6½x5. Price, \$ 7 00	
No. 1890	Same as improved leader, but full leather lined. Price..... 10 75
No. 1891	Made of fine black seal grain, contains 36 3-drachm and space for sundries, dimensions 10¼x6½x2¼. Price..... 7 25
No. 1892	Same as No. 1891 contains 12 1-ounce and 12 3-drachm. Price..... 7 25
No. 1893	Same as No. 1891 contains 24 3-drachm and 7 1-ounce. Price..... 7 25
No. 1894	Same as No. 1891 contains 48 3-drachm. Price..... 7 25
No. 1895	Made of sole leather, leather lined, contains 3 2½ ounce, 12 1-ounce and 24 3-drachm, also large space for sundries, Price..... 10 00
No. 1895 x	Like No. 1895 but made of cheaper material. Dimensions, 10¼x6½x4. Price..... 7 00
No. 1898	Fine morocco case, contains 24 6-drachm and 24 3-drachm, leather lined. Dimensions 10½x6½x4½. Price..... 10 75
No. 1902	Fine morocco case, same as No. 1898 contains 30 4-drachm and 30 2-drachm. Price..... 10 75
No. 1906	Made of best seal grain; contains 20 1-ounce and 13 5-drachm, also large spaces for sundries. Dimensions 10¼x6½x4½. Price..... 10 00
No. 1906 x	Same as No. 1906 but of cheaper material. Price..... 7 25
No. 1907	Made of seal grain; contains 18 4-drachm 26 2½-drachms, box for Hypodermic syringe, also graduated measure. Size 9¼x3½x4½. Price..... 5 50
No. 1908	Made like No. 1907 contains 22 4-drachm and 26 2½-drachm only. Price..... 5 50
No. 1909	Made of fine seal grain, bag stock; contains vials on removable partitions, 22 1-ounce and 23 3-drachm. Size 11x6x5½. Price..... 10 75
No. 1910	Made same as No. 1909 contains 26 4-drachm and 26 2-drachm. Size 10x6x5½. Price.... 10 75
No. 609	Made of solid leather, and stitched; contains 5 1¼-ounce G. S. bottles, 7 6 drachm and 9 4-drachm. Dimensions 8¼x5x3¾. Price without strap \$5.00; Price with strap..... 5 00
No. 660	Made of seal grain, and leather lined; contains 8 6-drachm, 10 4-drachm and 12 2-drachm. Dimensions 10x4½x3. Price..... 4 25
No. 660 x	Same as No. 660 but of cheaper material..... 3 50
No. 670	Made of finest seal grain, containing 8 1-ounce, 24 4-drachm, 13 1½-drachm, box for hypodermic syringe, etc. Dimensions 9¼x5½x3¾. Price..... 9 00
No. 670 x	Like No. 670, made of solid leather, stitched and riveted, also rings for strap..... 10 75
No. 740	Made of finest bag stock. Dimensions 10x7x4; contains 20 1-ounce 11 4-drachm, 20 3-drachm, box for hypodermic syringe, etc., etc., full leather lined..... 10 75
No. 700	Made like No. 740. Dimensions 12x7½x6; contains 4 3-ounce, 26 1-ounce and 26 3-drachm 12 50
No. 710	Made like No. 740. Dimensions 10x5x3¾; contains 10 4-drachm, 12 3-drachm and 28 2-drachm..... 9 00
No. 725	Made like No. 740. Dimensions 10x7x4½; contains 20 1-ounce and 40 3-drachm..... 11 25
No. 745	Made like No. 740. Dimensions 8x6x4; contains 14 6-drachm, 9 4-drachm, 8 3-drachm and box for hypodermic syringe..... 9 00

NANCY HANKS VETERINARY CASE,

Made of black water-proof leather, substantially lined, containing 6 8-ounce, 8 4-ounce, 9 2½-ounce, 8 1-ounce and large box for sundries. Dimensions 13½x8¼x8½.... 10 00

All these cases and bags have either pockets or spaces for powder papers, etc.

COMSTOCK'S NEW BUGGY CASES.

The special attention of physicians is called to the following new styles of buggy and hand cases. They are made for us by B. S. COMSTOCK, 126 WILLIAM STREET, NEW YORK. We consider his work in this line as good as can be produced.

Metal Clasps can be supplied in *B. S. Comstock's Medicine Cases* in place of leather loops.


These clasps are made of the best brass heavily plated to prevent corrosion. They are durable and reliable, and hold the bottle securely in its place yet enable it to be easily released when needed.

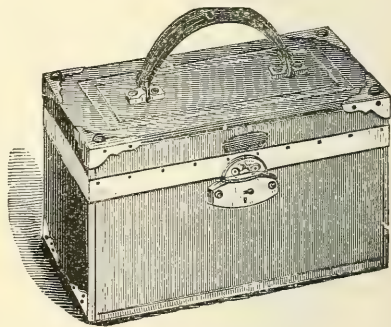
Each clasp is separate from every other so that if one should get out of order (which is not likely) it can be replaced by a new one. They are covered with leather, invisible, except at their ends, and do not in any way detract from the beauty and refined appearance of the case.



Open.

No. 678. Size, $10\frac{1}{4} \times 5\frac{3}{4} \times 7$ inches.

 Please specify "B. S. Comstock" cases when ordering.

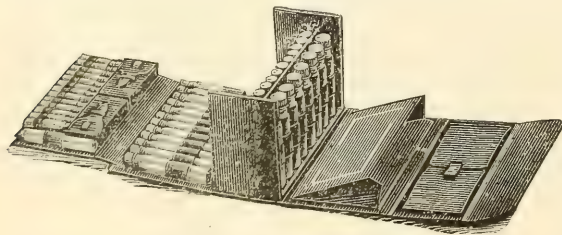


Closed.

No. 678. Buggy case, containing 6 2-oz. glass stoppered, 10 1-oz., 12 6-drachm and 14 4-drachm corked vials. In the top is a box with lid, size $8\frac{1}{2} \times 4\frac{1}{2} \times 1$ inch, with instrument loops. The case closes with a spring catch, and has a lock and key. It is made of the heaviest and best russet or black sole leather, and is well protected with metal trimmings.

Price.....\$13 50

NOTE.—The row of glass stoppered bottles rises as the case opens, and the vial labels are all exposed.

No. 668. Size, $9\frac{1}{2} \times 6 \times 4$ inches.

No. 668. Buggy case, dark morocco, contains 8 1-oz., 24 4-drachm, 13 $1\frac{1}{2}$ -drachm corked vials, a graduated minim measure, small, neat case for hypodermic syringe, and one for wire, silk, needles, etc. Also loops for surgical instruments, and a pocket.

Price.....\$10 00

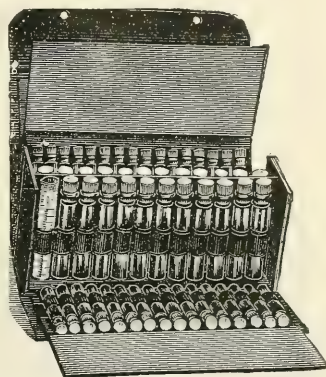
HAS **TRUAX & GREENE** *& Co.*

COMSTOCK'S NEW BUGGY CASES.

No. 672. Hand case, contains 24 4-drachm and 32 $2\frac{1}{2}$ -drachm corked vials, a pocket for sundries, and a graduated minim measure. The addition

of a minim measure to this case will, we think, be a convenience to the physician, who can thus secure perfect accuracy of dose.

Price\$5 75

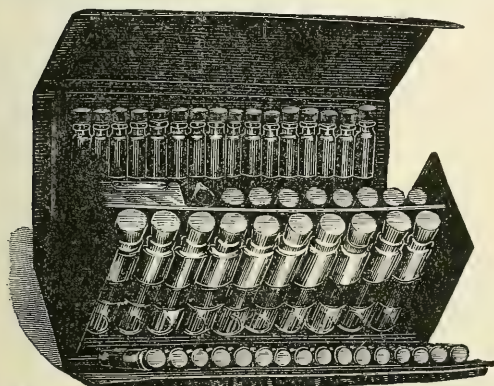


Open.



Closed.

No. 672. Size $9\frac{1}{2} \times 4\frac{1}{2} \times 3\frac{1}{4}$ inches.



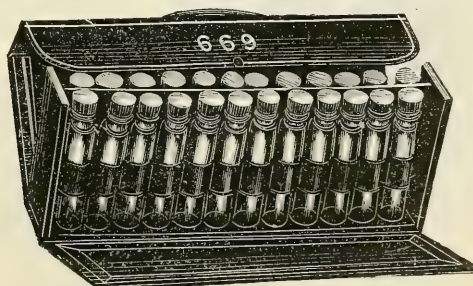
No. 688. Size, $9\frac{1}{2} \times 4\frac{1}{2} \times 3\frac{3}{4}$ inches.

THIS CASE CAN BE SUPPLIED WITH METAL CLASPS.

No. 688. Hand Case, contains 10 6-drachm, 8 4-drachm and 32 $2\frac{1}{2}$ -drachm corked vials, a graduated minim measure, and a neat box for a hypodermic syringe.

Price.....each \$5 75

NOTE.—This is a favorite case with physicians who make frequent use of medicine in tablets or pill form. We know of no hand case which, at the price, furnishes so convenient a combination of bottles, where a somewhat extended variety of medicine is desired.



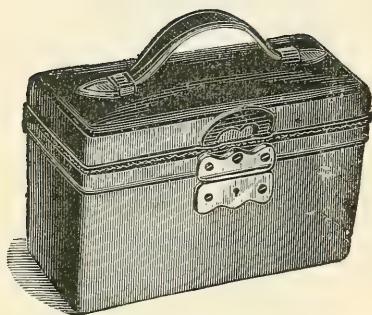
No. 669. Size, $10 \times 4\frac{1}{2} \times 2$ inches.

No. 669. Hand Case, contains 24 4-drachm corked vials and pocket, best black morocco, with handle.

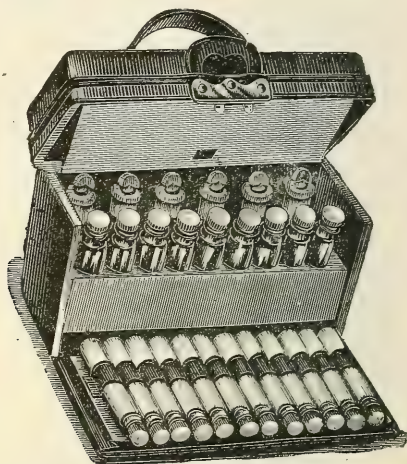
Priceeach, \$3 50



COMSTOCK'S NEW BUGGY CASES.



Closed.



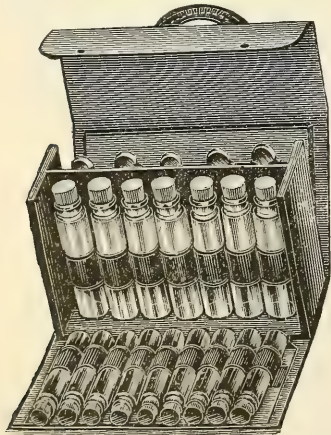
Open

No. 673. Size, 10x7x4 $\frac{1}{4}$ inches.

No. 673. Buggy Case, containing 6 1 $\frac{1}{2}$ oz., glass stoppered; 9 1-oz., and 12 4-drachm corked vials. In the top is a box with lid, size, 9x3 $\frac{3}{8}$ x1, with instrument loops, space large enough for a large sized stethoscope. The case closes with a spring catch, and has a lock and key. It is most substantially made, and will bear much rough usage over country roads.

Price.....\$10 50

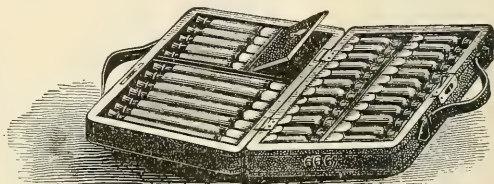
NOTE.—In place of 12 4-drachm vials we can furnish 24 2-drachm vials, or 6 4-drachm and 12 2-drachm. Please specify the number you wish.



No. 679. Hand Case, contains 9 4-drachm, 7 1-oz. corked, and 5 1 $\frac{1}{2}$ -oz. g. s. bottles; pocket for sundries. Russet or black sole leather.

Price.....\$5 00

We use only first-class material and employ the best workmen.



No. 679. Size, 7 $\frac{3}{4}$ x5 $\frac{1}{2}$ x3 $\frac{1}{4}$ inches.

No. 666. Size, 9 $\frac{3}{4}$ x6 $\frac{1}{4}$ x2 inches.

No. 666. Contains 24 2 $\frac{1}{2}$ -drachm, 7 6-drachm, and 5 3-drachm, wide mouthed, corked vials. Also a box for hypodermic syringe. Best black seal leather. The vials are held in by nickel tongues, but can be put in or out without the slightest trouble.

Price.....\$8 00

When ordering these goods, be careful to specify "Comstock's", to insure getting finest workmanship and material.



TRUAX, GREENE & CO'S "LEADERS."

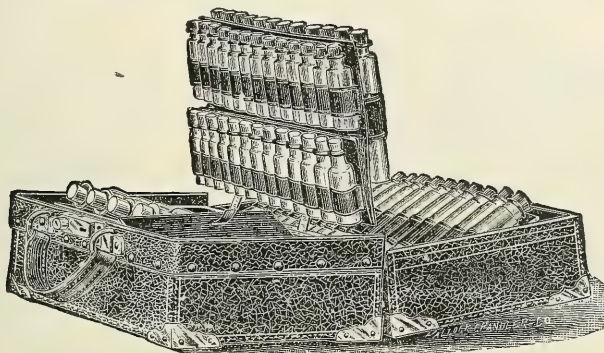


Fig. 1548. Truax, Greene & Co's No. 1 "Leader" Buggy Case. \$6.00.
Furnished either with leather loops or metal clip springs.

This case is offered the medical profession, not as being the best we can produce, but to fill the demand for a case of fair quality at an exceptionally low figure. The case is neatly covered with genuine leather of a medium quality and has full nickel trimmings. We offer it in competition with the many so-called Leader cases, believing it to be not only a better case than is now being offered under similar names but at a lower price. The case is 12 inches long, $7\frac{1}{2}$ inches high and $5\frac{3}{4}$ inches thick and contains 4 3-ounce, 26 1-ounce and 26 3-drachm vials with instrument box. The case is fully warranted as represented.

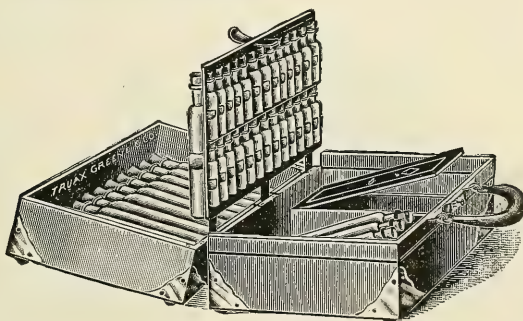


Fig. 1549. Truax, Greene & Co's No. 2 Leader Buggy Case. \$5.00.
Furnished either with leather loops or metal clip springs.

This case is similar in quality to our No. 1 Leader, differing only in size. It is 9 inches long, $6\frac{1}{2}$ inches high, $4\frac{1}{2}$ inches wide and contains 3 2-ounce, 20 1-ounce and 20 3-drachm vials with instrument box.

LEADER No. 3, HOMŒOPATHIC.

Price.....\$6 50

This case contains 42 long 4-drachm and 28 short 2-drachm vials (held by leather loops or metal springs) and an instrument box. The case is otherwise like our Fig. 1549, excepting that the instrument box is $\frac{5}{8}$ inches deep and full size of case, which is $10\frac{1}{4}$ inches long, $6\frac{1}{2}$ inches high and $4\frac{3}{4}$ inches thick.



HAND AND BUGGY CASES.

TRUAX, GREENE & CO'S SOLID SOLE LEATHER HAND AND BUGGY CASES.

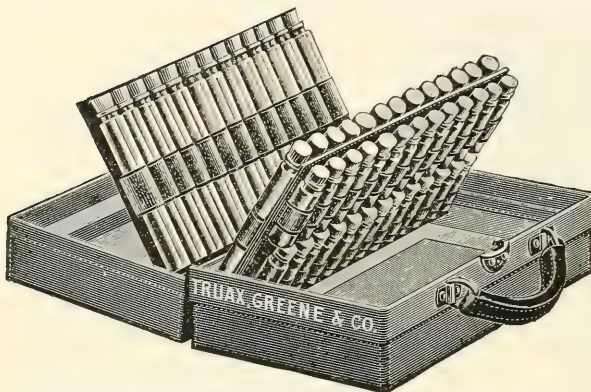


Fig. 1553. With Metal Springs or Leather Loops. Price \$10.00.

These cases are made of one piece of best quality of sole leather, black on outside, with metal and sole leather reinforcing. A rim of forged steel about one-eighth inch thick and one-third inch wide is stitched into the inner edge of each half and completely covered with leather. A valance, or overlapping piece, of thin steel, leather-covered, is fastened to one-half on the outside, covering the joint when the case is closed. They have solid leather handles, nickel-plated locks and solid metal buttons to protect the bottoms and sides from wear, and open perfectly flat. They have spaces for powder papers and prescription blanks, and are thoroughly water-proofed inside. There is no paper, cloth, glue or paste in the make up, and we guarantee that one may be immersed in water continuously for three months without coming apart to the extent of one-eighth of an inch. They are at once the most handsome and the most durable cases yet offered to the profession, and we are perfectly safe in claiming that, elegance, durability and price considered, they are the cheapest cases in the market. In ordering please specify both number and figure.

DIMENSIONS OF SOLE LEATHER CASES.

Fig. 1553, (large) $4\frac{1}{4}$ by 7 by 12 inches. Instrument space 1 by 6 by $10\frac{3}{4}$ inches.
Fig. 1554, (small) 4 by $6\frac{1}{4}$ by 9 inches. Instrument space $\frac{3}{4}$ by $5\frac{1}{4}$ by $7\frac{3}{4}$ inches

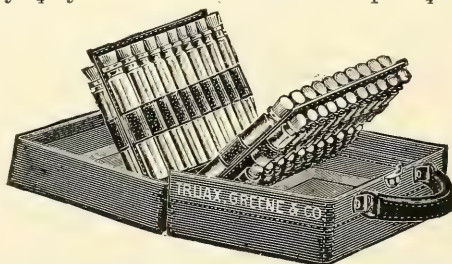


Fig. 1554. With Leather Loops or Metal Springs, \$9.00.

INSIDE ARRANGEMENT OF SOLE LEATHER CASES.

Fig. 1553.	No. 1	contains	26	8-dr.	vials,	and	52	4-dr.	vials.
"	"	"	2	"	"	"	"	"	"
"	"	"	3	"	"	"	"	"	"
"	"	"	4	"	"	"	"	"	"
"	"	"	5	"	"	"	"	"	"
"	"	"	6	"	"	"	"	"	"
"	"	"	7	"	"	"	"	"	"
"	"	"	8	"	"	"	"	"	"
"	"	"	9	"	"	"	"	"	"
"	"	"	10	"	"	"	"	"	"
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"	"	"	94	"	"	"	"	"	"
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"	"	"	96	"	"	"	"	"	"
"	"	"	97	"	"	"	"	"	"
"	"	"	98	"	"	"	"	"	"
"	"	"	99	"	"	"	"	"	"
"	"	"	100	"	"	"	"	"	"

Nos. 1 and 2, in both sizes, have no instrument space.

Prices: With leather loops or metal springs, Fig. 1553, any No., \$10.00. Fig. 1554, any No., \$9.00.

Name in gold on case, 50 cents extra.



BUGGY AND HAND CASES.

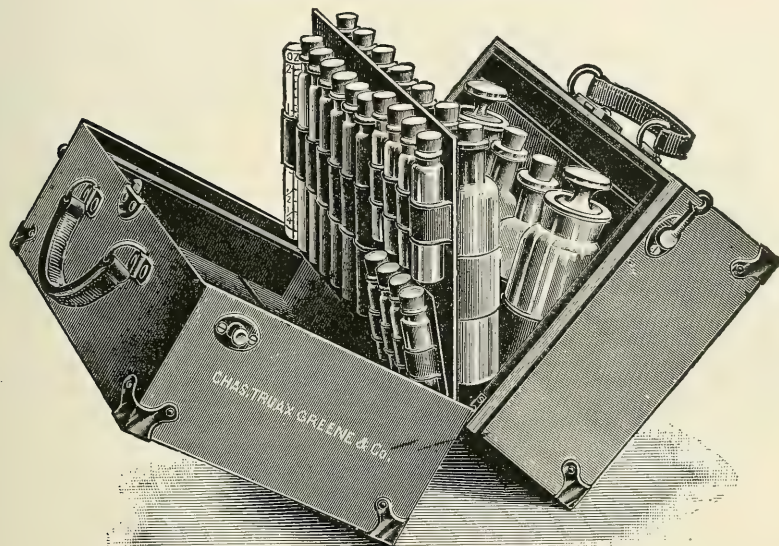


Fig. 1552. Veterinary Buggy Case. \$10.00

This case is of russet leather with fine nickel trimmings. In addition to a strong lock it is provided with clasps at each end. The case is $12\frac{1}{2}$ in. long, $8\frac{1}{4}$ in. wide, and $8\frac{1}{2}$ in. high and contains 2 12-oz. glass stop wide mouth, 2 8-oz., 7 $3\frac{1}{2}$ -oz., 6 14-drachm, 4 6-drachm and 4 4-drachm bottles, with graduate and large instrument box.

MARSHALL'S CONVERTIBLE HAND CASE SADDLE-BAGS, PATENTED.

This bag is made of the best leather, either russet or black, the trimmings are nickel-plated, and in every way it presents a very fine appearance. It contains 12 $1\frac{1}{2}$ -oz. glass stoppered, 16 6-drachm and 8 2-drachm corked vials, besides having two boxes, for sundries, on either side that measure $7\frac{1}{2}$ in. long, $2\frac{1}{2}$ in. wide, and $2\frac{1}{4}$ in. deep.

MARSHALL'S
PATENT.

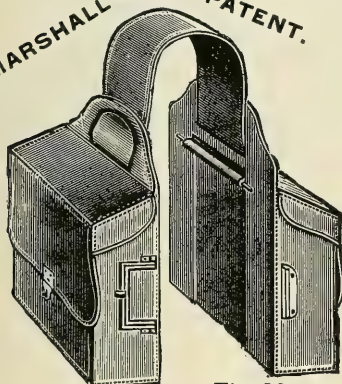


Fig. 36.

Fig. 1. Saddlebag Form.

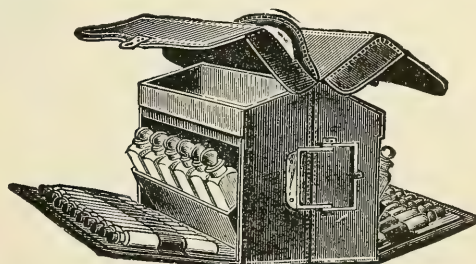


Fig. 2. Hand Case Form.

It can be changed from saddlebags (Fig. 1) to hand case (Fig. 2), or vice versa, almost instantly.

Price, russet leather.....Express prepaid \$16 00
 " blackExpress prepaid 15 50



BUGGY AND HAND CASES.

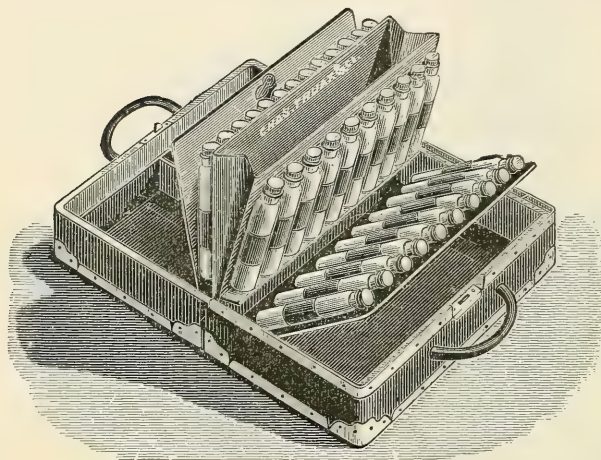


Fig. 1550. Open.
Truax, Greene & Co's Buggy and Hand Case No. 1.
\$9.00.

danger of vials leaking or breaking, we believe that a medicine corrosive enough to require a glass stoppered bottle in which to carry it, ought not to be carried in a buggy case. The case contains a plaster box $\frac{3}{8}$ inch deep, and two instrument boxes, each $4\frac{1}{2}$ by $5\frac{1}{2}$ inches, and $1\frac{1}{4}$ inches deep, in which may be carried extra vials of 3 or 4 oz. capacity, pocket instrument case, hypodermic syringe, fever thermometer, powder papers, sponges, cotton and such other articles as are useful in every-day practice. The case is of wood with dove-tailed corners, and is covered with genuine morocco, and the corners and edges are protected with nickel trimmings, so that with proper care it will last for many years. This case is much more practical than the heavy and poorly designed sole-leather trunks in the market, and as it only weighs 4 lbs., it is light enough to be carried as a hand-case. It is 10 inches long, $6\frac{1}{2}$ inches high and $4\frac{3}{4}$ inches thick. We are prepared to furnish the name plate, handsomely engraved with purchaser's name, at an additional cost of 50c.

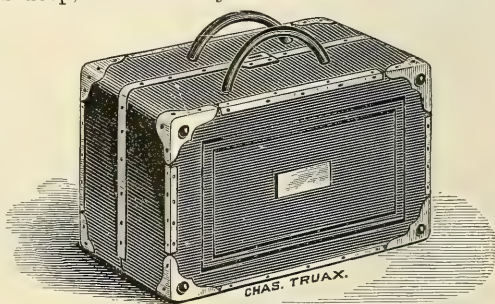


Fig. 1550. Truax, Greene & Co's Buggy Case, closed,
\$9.00.

CASE, Buggy and Hand, Truax, Greene & Co's No. 2..... \$9 00

This case differs from our No. 1 (Fig. 1550) only in having two rows of short 2-drachm, in place of the one row of long 4-drachm vials. The case contains 20 1-ounce and 26 2-drachm vials. It is the same size as our No. 1.



BUGGY AND HAND CASES.

CASE, Buggy and Hand, Truax, Greene & Co's No. 3..... \$ 9 75

This case is similar to our No. 2, and differs from it only in size. It is $12\frac{1}{2}$ inches long, $7\frac{3}{4}$ inches high, and $5\frac{1}{4}$ inches thick, and contains 26 10-drachm, 13 4-drachm and 16 2-drachm vials, and its two instrument boxes are each $5\frac{1}{4}$ inches wide, $6\frac{3}{4}$ inches long and $1\frac{1}{2}$ inches deep.

Buggy and Hand, Truax, Greene & Co's No. 4..... 11 25

This case is similar to our No. 3, and contains 9 3-ounce vials, 13 10-drachm, 13 4-drachm and 15 2-drachm vials. It is the same height and length as our No. 3, but $\frac{1}{8}$ inch thicker.

Buggy and Hand, Truax, Greene & Co's No. 5..... 13 00

This case is of extra large size, and like our No. 4 is intended to meet the wants of such physicians as are compelled to take long rides, and consequently to carry a great deal of medicine with them. It is $7\frac{1}{2}$ in. high, $12\frac{1}{4}$ in. long, and $6\frac{1}{2}$ in. thick, and contains 7 4-ounce vials, 10 2-ounce, 10 1-ounce, and 13 4-drachm vials, 1 ounce graduate, glass mortar, pair of scales and instrument box.

Buggy and Hand, Truax, Greene and Co's No. 6..... 8 50

This case is similar to our No. 1, and is $8\frac{1}{2}$ in. long, $5\frac{3}{4}$ in. high and 4 inches thick, and contains 18 6-drachm and 22 $1\frac{1}{2}$ -drachm vials, with instrument boxes.

Buggy and Hand, Truax, Greene & Co's No. 7, homœopathic..... 8 50

This case is similar to our No. 1, and is $8\frac{3}{4}$ inches long, $5\frac{1}{2}$ inches high, and $3\frac{3}{4}$ inches thick, and contains 11 4-drachm, 15 2-drachm and 30 1-drachm vials, with instrument and plaster boxes, with space for powder and powder papers.

Buggy and Hand, Truax, Greene & Co's No. 8, homœopathic..... 9 50

This is the same size as our No. 1, and has same sized boxes, and contains 14 4-drachm, 16 2-drachm, 30 $1\frac{1}{2}$ -drachm and 40 1-drachm—in all 100 vials.

We can furnish these cases to order, containing such sizes and number of vials as purchasers desire. Extra vials can be furnished for any of the above cases.

Sole-leather covers furnished for any of the above cases at a moderate price. For extra parts and trimmings, see repairs, page 924.

TRUAX, GREENE & CO'S Satchel Medicine Case No. 1. Figure 1555..... 9 00

This case is 10 inches long and contains 10 8-drachm, 13 4-drachm, and 26 2-drachm vials, with space for miscellaneous articles and loops for instruments.

TRUAX, GREENE & CO'S Satchel Medicine Case No. 2..... 9 00

This case is the same size as the No. 1, and contains 7 2-ounce, 10 1-ounce, and 13 4-drachm vials, with loops and space for instruments.

TRUAX, GREENE & CO'S Satchel Medicine Case No. 3..... 6 75

This case is the same style and pattern as our No. 1. It is 2 inches shorter and correspondingly smaller.



BUGGY AND HAND CASES.

- TRUAX, GREENE & CO'S Satchel Medicine Case, homœopathic, No. 4..... \$ 9 75
 This case is similar to and the same size as our No. 1, but contains 12 4-drachm, and 14 2-drachm, 36 $1\frac{1}{2}$ -drachm, and 26 $\frac{1}{2}$ -drachm vials.
- TRUAX, GREENE & CO'S Satchel Medicine Case No. 5, Fig. 1557..... 10 50
 This case contains 18 1-ounce, 12 6-drachm and 14 4-drachm corked vials, loops for instruments, a neat plush-lined case for a hypodermic syringe, and a box for sundries or tablets. This case is of superior workmanship and finish, and will give the best of satisfaction.
- TRUAX, GREENE & CO'S Satchel Medicine Case, homœopathic, No. 7..... 10 50
 This case is similar to our No. 5, and contains nearly the same assortment of vials as No. 4.
- TRUAX, GREENE & CO'S Satchel Medicine case No. 8..... 8 25
 This case is similar to our No. 5, except that it is made on an 8-inch frame. It contains about the same assortment of vials as our No. 3.

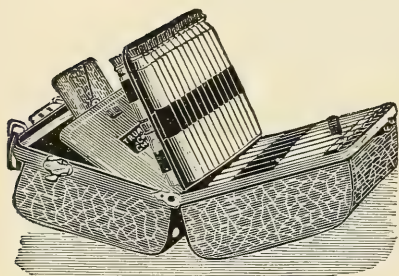


Fig. 1555. Satchel Medicine Case No. 1, \$9.00.

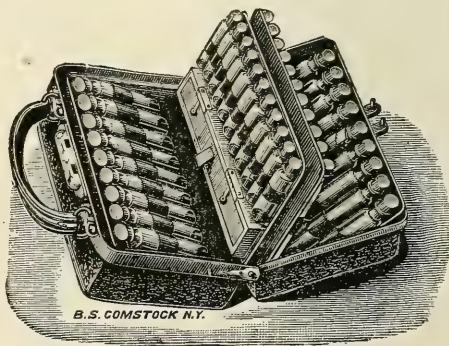


Fig. 1557. Satchel Medicine Case No. 5, \$10.50.

- Buggy and Hand Case, Fig. 1565..... \$4 00
 This case is made from a medium grade of morocco, and contains 10 4-drachm and 28 $2\frac{1}{2}$ -drachm vials. Size of case, 8 x $4\frac{1}{2}$ x $2\frac{1}{4}$.
- Buggy and Hand Case, Fig. 1566..... 7 00
 This case is covered with the best black seal-grain leather, and contains 36 $2\frac{1}{2}$ -drachm wide mouth vials, a box for instruments and hypodermic syringes. The vials are held in by nickel tongues projecting over the base of the vials, which, although well secured can be taken out without the slightest trouble; size of case, $9\frac{1}{4}$ x $6\frac{3}{4}$ x 2.
- Buggy and Hand Case, Fig. 1567..... 8 00
 This case is covered with red horsehide, protected with metal trimmings, and contains 8 $1\frac{1}{2}$ -ounce glass-top vials, 10 1-ounce, 12 6-ounce, 8 4-drachm, and 10 2-drachm vials, with pocket for powder papers. Size of case $10\frac{1}{2}$ x 6 x $5\frac{1}{4}$.



BUGGY AND HAND CASES.

Buggy and Hand Case, Fig. 1568.....	\$ 8 00
This case is made from seal grain leather, and contains 6 1½-ounce glass-stop. bottles and 22 1-ounce cork stop. vials, with pocket for powders.	
Buggy and Hand Case, Fig. 1570.....	12 50
This case is of a new and novel pattern manufactured from fine morocco, well protected with metal trimmings, and contains 8 ½-ounce, glass-top bottles, 10 1-ounce, 12 6-drachm, and 14 4-drachm vials, with instrument boxes and loops for same. Size of case 11¼x8½x5¼.	
Buggy and Hand Case, Fig. 1574.....	6 00
This case is of black leather and contains 60 3-drachm vials.	
Buggy and Hand Case, Satchel Form, Fig. 1575.....	9 00
This case is 10 inches long, black leather nickel-plated trimmings and contains 10 1-ounce, 15 5-drachm, 11 4-drachm and 8 short 1-ounce bottles, with instrument and Hypodermic box.	
Buggy and Hand Case, Fig. 1576.....	7 50
This case is covered with black morocco, contains 4 1½-ounce, 9 6-drachm, and 12 2½-drachm vials, 3 1½-ounce glass-stoppered bottles, a box for sundries, and loops for instruments. Size of case, 8¾x5¼x5.	
Buggy and Hand Case, Fig. 1577.....	8 50
This case opens in center and at sides, and contains 20 6-drachm, 12 4-drachm and 26 2-drachm vials. Size of case, 9½x5½x3¼.	
Buggy and Hand Case, Fig. 1580.....	12 50
Case of dark morocco, contains 3 3-ounce, 20 1-ounce, and 15 long, 4-drachm corked vials, two covered spaces for instruments and sundries. Thoroughly protected from wear by nickel trimmings.	
Buggy and Hand, Case, Fig. 1582.....	7 00
This case is covered with a dark morocco, and contains 8 1-ounce 12 ½-ounce 15 2½-drachm vials and loops for surgical instruments. Size of case, 9x6x3.	
Buggy and Hand Case, Fig. 1583.....	7 00
This case contains 8 1-ounce, 24 4-drachm, and 13 1½-drachm vials, with graduated measure, has loops for instruments, box for hypodermic and pocket for powders.	
Buggy and Hand Case, Fig. 1585.....	6 00
This case is made from fine leather, and contains 5 1½-ounce glass-stop. bottles, 7 6-drachm and 10 4-drachm cork stop. vials with pocket for powder. Size 7½x5¼x3¼.	
Buggy and Hand Case, Fig. 1586.....	8 00
This case is 10½x6x4¼, and contains 10 1-ounce and 12 ½-ounce vials, with two large boxes for instruments or extra bottles.	
Hand Case Fig. 1587.....	3 00
This case is 9½ inches long, 3¼ thick, by 4 high, and contains 8 1-ounce, 10 6-drachm and 12 4-drachm vials.	
Buggy and Hand Case, Fig. 1588.....	7 50
This case is covered with the best morocco, and contains 4 3-ounce, 26 1-ounce, and 26 ½-ounce vials, with box for instruments and sundries. Size of case, 12¼x7½x5¼.	
Buggy and Hand Case, Fig. 1589.....	8 00
This case contains 4 3-ounce, 26 1-ounce, and 26 3-drachm vials, with space for instruments; it is 12 inches long, 5¾ wide, and 7½ high and is supplied with patent corners.	

HAS TRUAX & GREENE & CO.

BUGGY CASES.

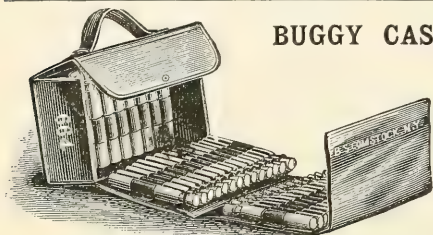


Fig. 1565. Buggy and Hand Case, \$4.00. See page 940.

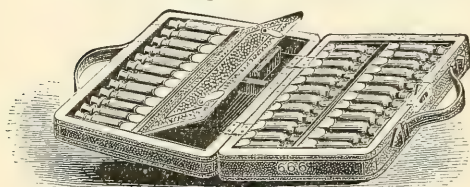


Fig. 1566. Hand Case, \$1.00. See page 940.

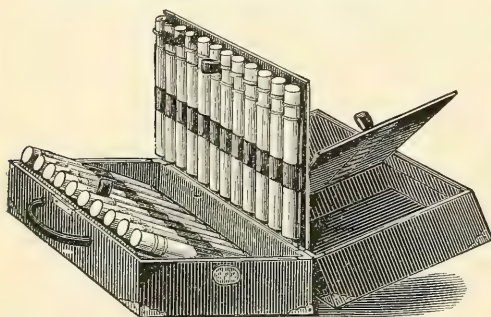


Fig. 1568. Buggy and Hand Case, \$8.00. See page 941.

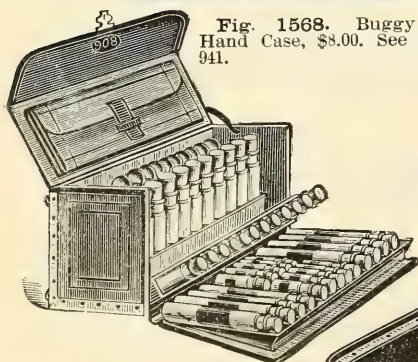


Fig. 1567. Buggy and Hand Case, \$8.00. See page 940.

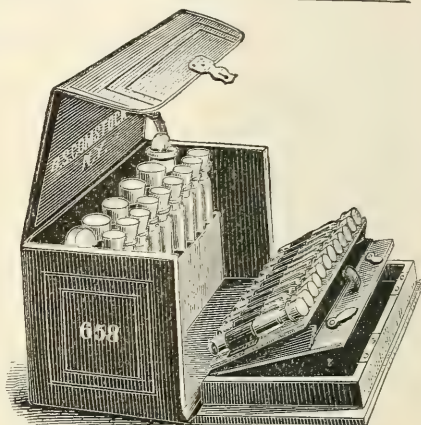


Fig. 1576. Buggy and Hand Case, \$7.50. See page 941.

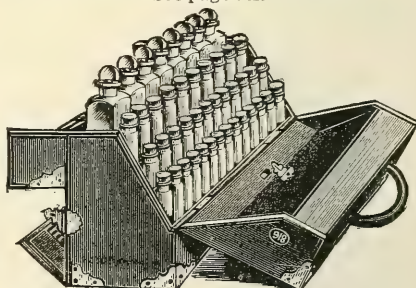


Fig. 1570. Buggy and Hand Case, \$12.50. See page 941.

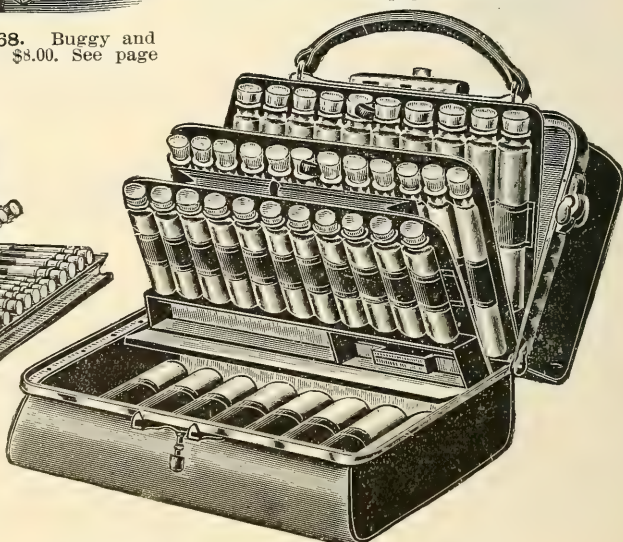


Fig. 1575. Satchel Medicine Case, \$9.00. See page 941.

HAS TRUAX & GREENE & CO.

BUGGY AND HAND CASES.

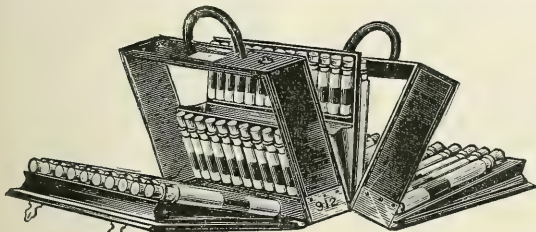


Fig. 1577. Buggy and Hand Case, \$8.50. See page 941.

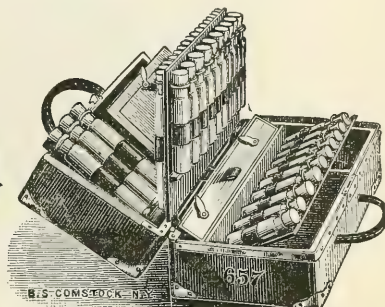


Fig. 1580. Buggy and Hand Case \$12.50. See page 941.

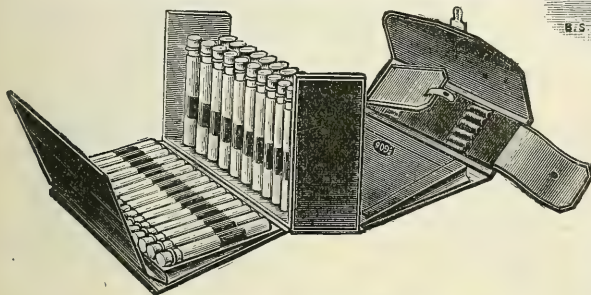


Fig. 1582. Buggy and Hand Case, \$7.00. See page 941.

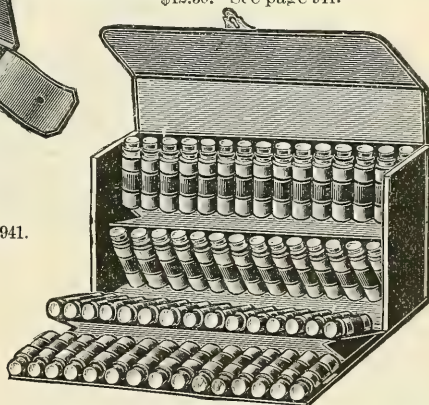


Fig. 1574. Buggy and Hand Case, \$6.00. See page 941.

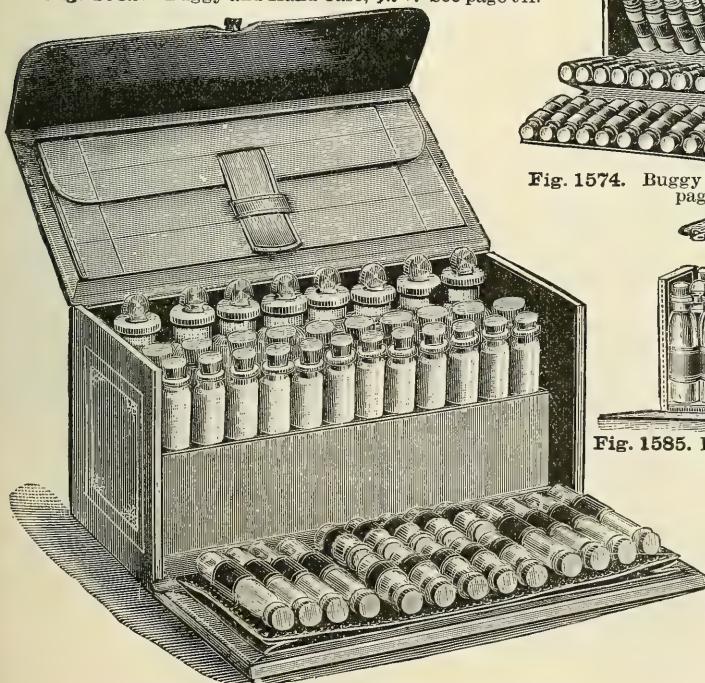


Fig. 1586. Buggy and Hand Case, \$8.00. See page 941.

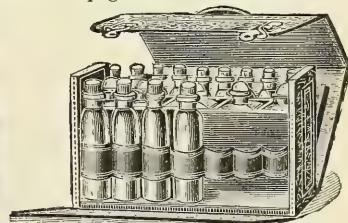


Fig. 1585. Buggy and Hand Case, \$6.00. See page 941.

HAS TRUAX & GREENE & CO.

BUGGY AND HAND CASES.

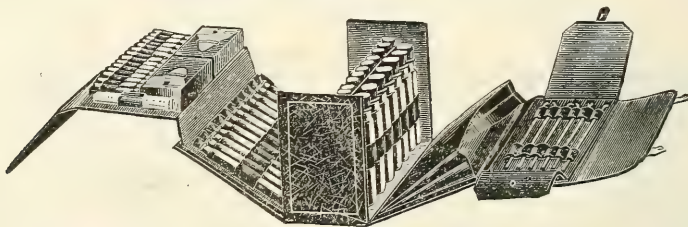


Fig. 1533. Buggy Case, \$7.00. See page 941.

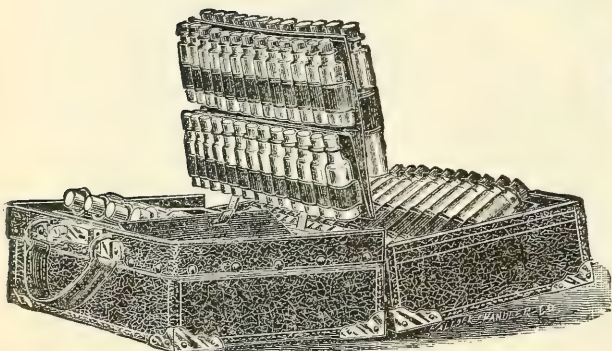


Fig. 1589. Buggy and Hand Case, \$8.00. See page 941.



Fig. 1587. Hand Case, \$3.00. See page 941.

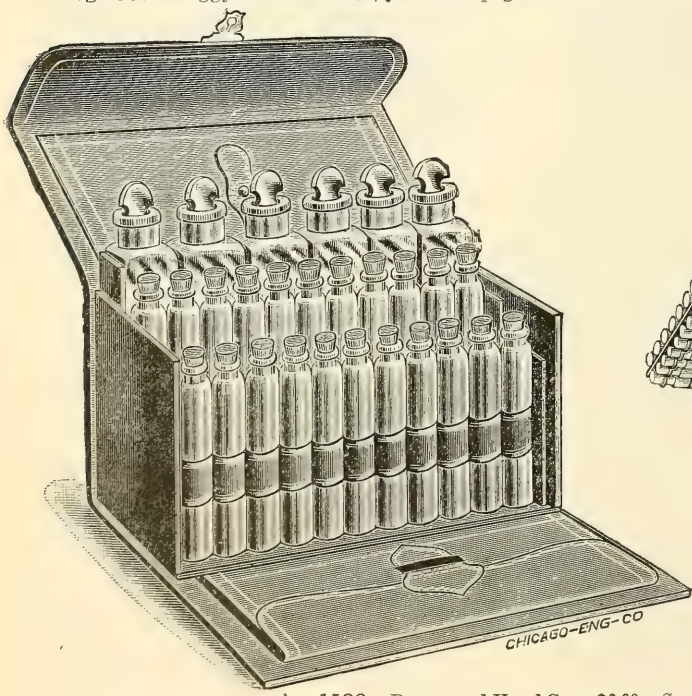


Fig. 1586. Buggy and Hand Case, \$6.00. See page 941.

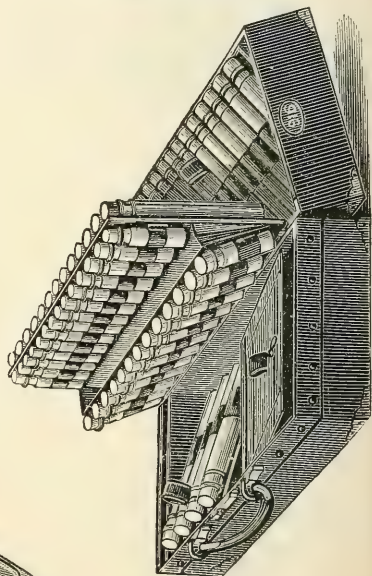


Fig. 1588. Buggy and Hand Case, \$7.50. See page 941.



POCKET MEDICINE CASES.



Fig. 1620. TRUAX, GREENE & CO'S FLEXIBLE MEDICINE CASES.

The above cut shows one of our flexible, one-row medicine cases, and although it is only ten years since we first introduced this size (No. 1620, see list below), yet the demand for them has increased so rapidly that we now manufacture them in twenty sizes, varying from a case containing four 1-drachm to one having ten 6-drachm vials. They are made of the finest grade of morocco, the flaps are lined with silk, and they are so flexible as to conform to the shape of the pocket or body, while the sides are of sufficient thickness to properly protect the bottles. We are receiving a great many orders for them in pairs (such as a ten 2-drachm, No. 1620, and a nine 4-drachm, No. 1632), for by carrying one in each side pocket of a coat, the wearer avoids the unsightly appearance caused by carrying a thick case in the pocket. The following numbers are all of this pattern :

No. 1600	contains 4	$\frac{1}{2}$ -drachm vials for tablets	.....	\$0 75
1602	" 6	$\frac{1}{2}$ " " " " " " " " " " " "	.....	90
1604	" 9	$\frac{1}{2}$ " " " " " " " " " " " "	.....	1 25
1606	" 4	1 " " " " " " " " " " " "	.....	80
1608	" 6	1 " " " " " " " " " " " "	.....	1 00
1610	" 10	1 " " " " " " " " " " " "	.....	1 25
1612	" 15	1 " " " (see Fig. 1612)	.....	1 50
1616	" 4	2 " " " " " " " " " " " "	.....	1 00
1618	" 6	2 " " " " " " " " " " " "	.....	1 25
1620	" 10	2 " " " (see Fig. 1620)	.....	1 75
1622	" 14	2 " " " " " " " " " " " "	.....	2 25
1624	" 6	3 " " " " " " " " " " " "	.....	1 75
1626	" 9	3 " " " " " " " " " " " "	.....	1 75
1628	" 12	3 " " " " " " " " " " " "	.....	2 00
1630	" 6	4 " " " " " " " " " " " "	.....	1 75
1632	" 9	4 " " " (see Fig. 1632)	.....	2 00
1634	" 12	4 " " " " " " " " " " " "	.....	2 25
1636	" 6	6 " " " " " " " " " " " "	.....	2 00
1638	" 10	6 " " " " " " " " " " " "	.....	2 50
1640	" 10	2 and 4 4-drachm vials, Fig. 1640	.....	2 25

POCKET MEDICINE CASES, OTHER THAN OUR OWN DESIGN.

No. 1650	1 row contains 6	1-drachm vials, for the vest pocket	.....	\$0 60
1654	1 " " 8	2 " " flaps, Fig. 1654	.....	90



POCKET MEDICINE CASES.

No. 1658	1	row contains	10	2-drachm vials, amber, stiff ends.....	\$1 15
1666	1	"	12	" " sealskin, pouch for powders.....	2 25
1668	1	"	12	" " red morocco, stiff ends, Fig. 1668..	1 50
1669	1	"	15	" " long tubes for tablets.....	2 00
1670	1	"	6	" " wrapper case, soft red morocco....	1 10
1674	1*	"	8	" " genuine russia, similar to Fig. 1674.	2 50
1678	1	"	10	" " wrapper case, soft red morocco....	1 30
1684	1	"	10	" " wrapper case, stiff ends.....	1 50
1690	2	"	24	" " homœopathic, high potency.....	1 40
1693	2	"	20	" " wrapper case, metal ends, morocco.	1 85
1696	2	"	16	" " portmonnaie style, Fig. 1696.....	1 30
1699	2	"	18	" " morocco, sewed, strap.....	1 20
1702	2	"	20	" " morocco, sewed, strap.....	1 35
1705	2	"	20	" " calf, sewed, strap, Fig. 1705.....	1 50
1708	2	"	20	" " wrapper case.....	1 50
1711	2	"	20	" " flexible, dark morocco.....	2 75
1712	2	"	30	" " long tube for tablets... ..	2 50
1714	2	"	24	" " pouch, sealskin, Fig. 1714.....	3 00
1717	2	"	24	" " wrapper case, metal ends, morocco.	2 25
1720	2	"	16	" " of best russia leather, Fig. 1720....	3 00
1723	2	"	18	" " flaps, soft red morocco.....	1 85
1726	2	"	20	" " morocco, flaps, gilt, Fig. 1726.....	1 85
1729	2	"	10	" " and 14 1½-drachm vials, red morocco, Fig. 1729.....	2 25
1737	2	"	10	" " and 14 2-drachm vials, stiff ends, dark morocco, Fig. 1737.....	2 50
1740	2	"	8	" " and 12 2-drachm vials.....	2 75
1741	2	"	8	" " and 12 2-drachm, calf, sewed, strap.....	1 85
1747	3	"	15	" " long and 30 1-drachm short, in two-fold wrapper case, soft red morocco, Fig. 1747	2 75
1750	3	"	10	" " 14 2-drachm, 28 1-drachm vials, red morocco	3 35
1753	3	"	10	" " and 28 2-drachm vials, soft red morocco...	3 00
1758	3	"	24	" " and 16 1½-drachm vials, two pockets, soft red morocco, Fig. 1758.....	2 60
1765	3	"	10	" " and 30 1½-drachm vials, fine dark morocco with handles and silk-lined flaps, well made.....	4 25
1766	3	"	45	" " vials, Fig. 1766, same style and make as No. 1765.....	4 00
1767	5	"	15	" " and 60 ½-drachm vials, same style and make as No. 1766.....	4 50
1768	5	"	10	" " and 18 1-drachm vials, all upright, Fig. 1768	3 50

We are prepared to manufacture medicine cases to order to suit the wants of customers.

HAS TRUAX & CO GREENE & CO

MEDICINE CASES.

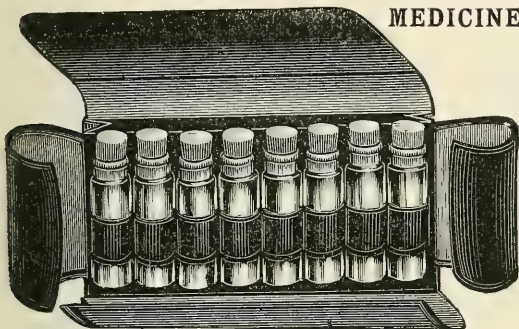


Fig. 1632. Medicine Case, \$2.25. See page 946.

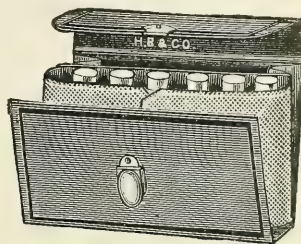


Fig. 1674. Medicine Case, \$2.50; Genuine Russia. See page 946.

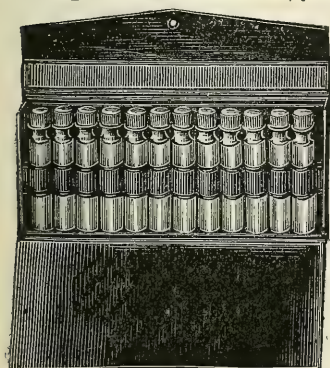


Fig. 1668. Medicine Case, \$1.50. See p. 946.

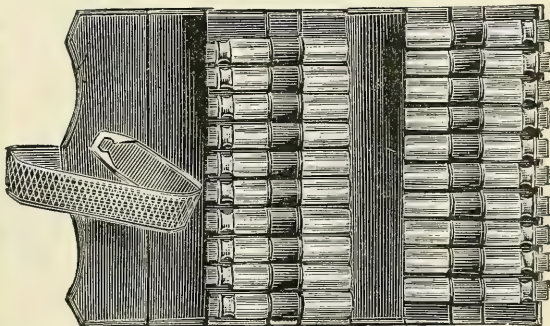


Fig. 1705. Medicine Case, \$1.50. See page 946.

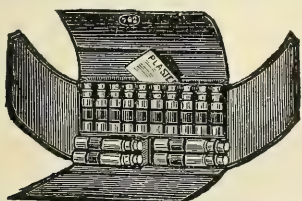


Fig. 1640. Medicine Case, \$2.25. Flexible Morocco. See page 946.

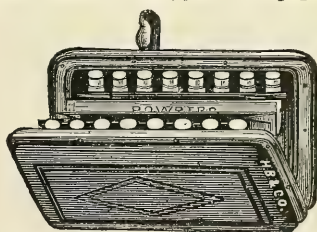


Fig. 1696. Medicine Case, \$1.30. See page 946.

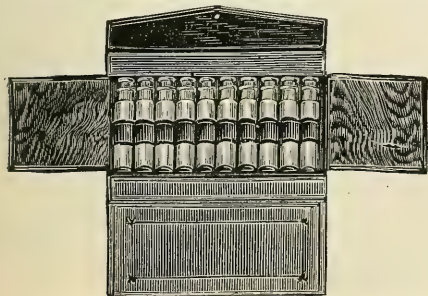


Fig. 1678. Medicine Case, \$1.30. See page 946.

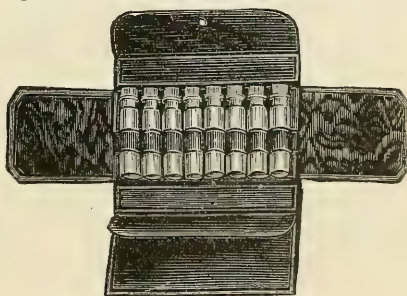


Fig. 1654. Medicine Case, 90c. See page 946.

CHAS. TRUAX & CO. GREENE & CO.

MEDICINE CASES.

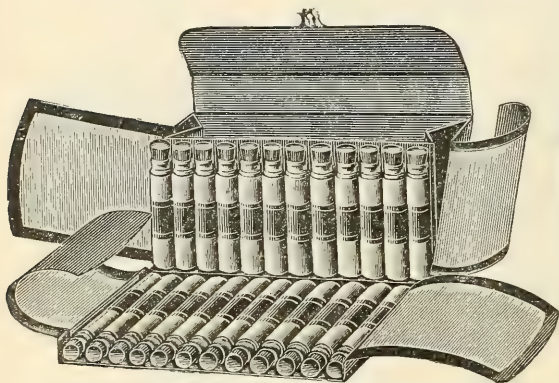


Fig. 1714. Medicine Case, Seal Skin, \$3.00. See page 946.

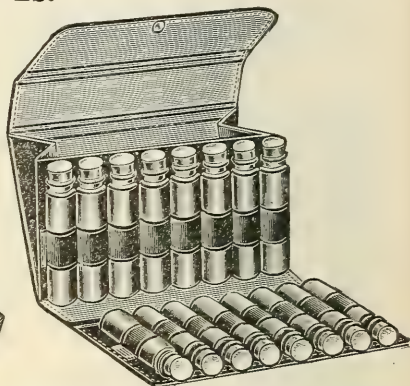


Fig. 1720. Fine Russia Medicine Case, \$3.00. See page 946.

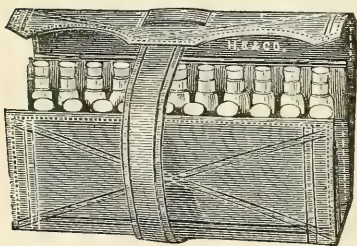


Fig. 1726. Medicine Case, \$1.85; Dark Morocco, Gilt. See page 946.

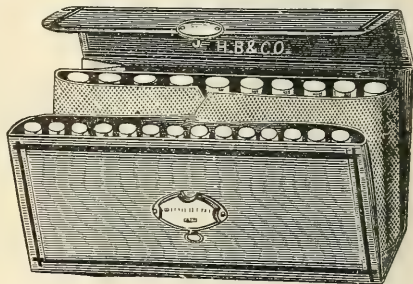


Fig. 1729. Medicine Case, \$2.25; Red Morocco. See page 946.

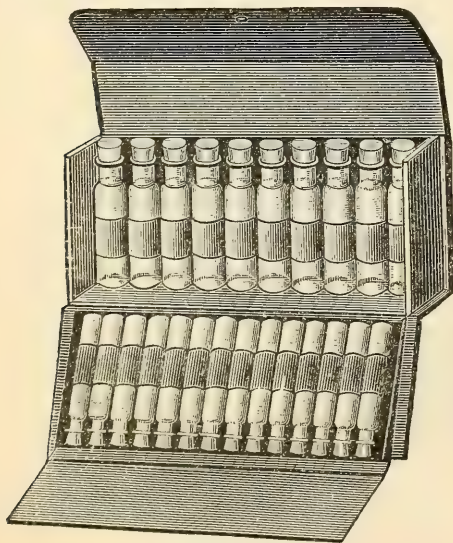


Fig. 1737. Medicine Case, \$2.50. See page 946.

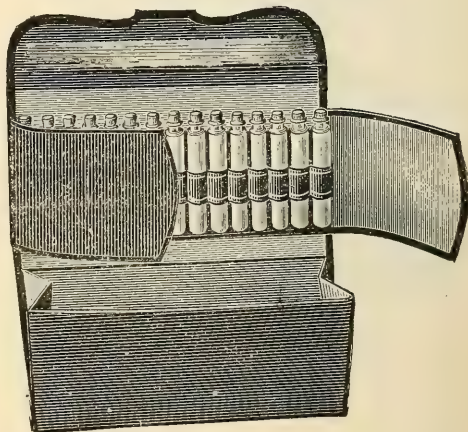


Fig. 1612. Medicine Case, \$1.50. See page 946.

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MEDICINE CASES.

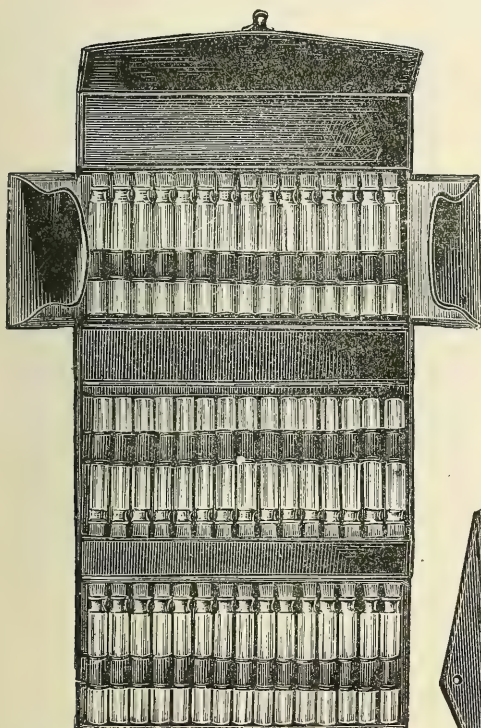


Fig. 1766. Medicine Case, \$4.00. See page 946.

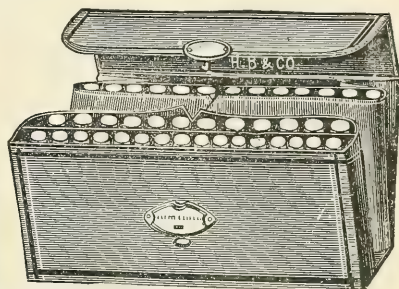


Fig. 1758. Medicine Case, \$2.60; Red Morocco. See page 946.

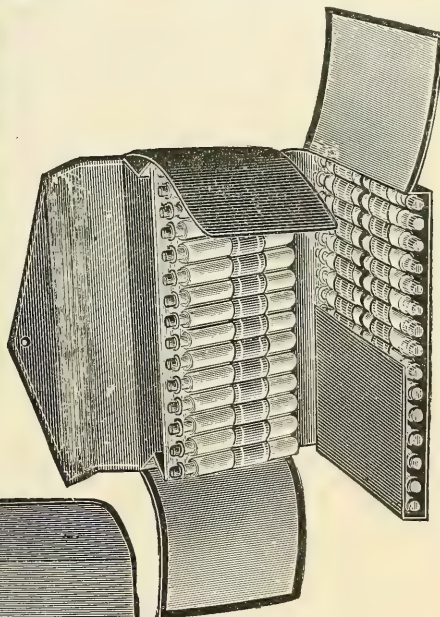


Fig. 1747. Medicine Case, \$2.75. See page 946.

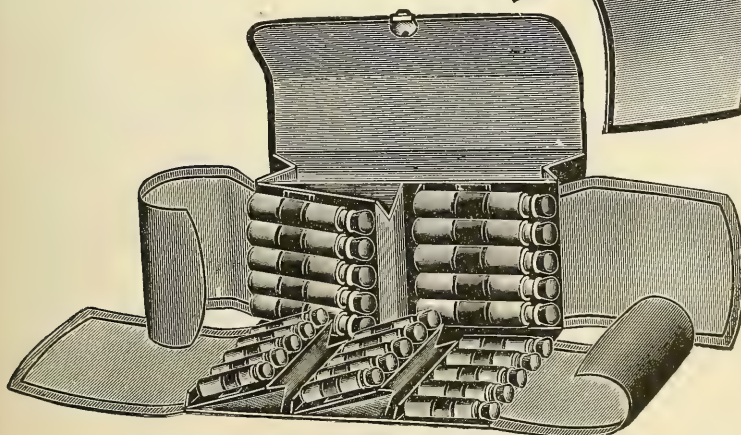


Fig. 1768. Medicine Case, \$3.50. See page 946.

HAS TRUAX & GREENE

MEDICINE CHESTS AND THERMO-CAUTERY.

MEDICINE CHESTS

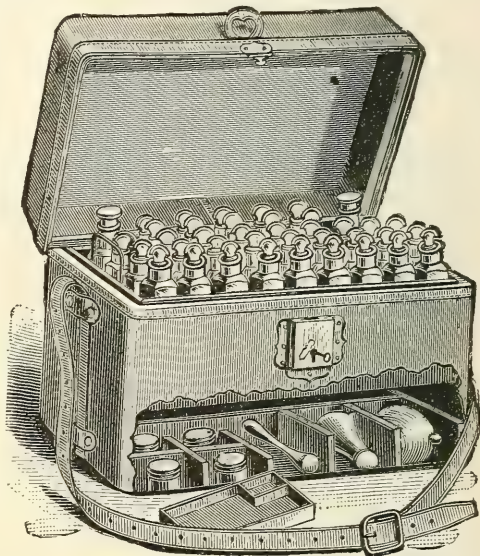
... WITH ...

Seamless Edges.

NICKEL PLATED LOCKS AND
TRIMMINGS, AND....

GLASS STOPPERED BOTTLES....

The following contain glass-stop-
pered bottles in mahogany trays, also
a mortar, a graduated measure, four
jars, a tray for scales and space for
instruments under bottles.



No.	contains	oz.	oz.	oz.	oz.	bottles.	price	in. long.	in. wide.	in. high
1781	4	4	18 2	20 1	8 ½	50	\$19 50	15 ½	9 ¼	9 ¼
1782	4	4	16 2	18 1	6 ½	44	18 00	14 ½	9 ¼	9 ¼
1783			16 2		18 ½	34	14 50	11 ½	8	8 ½
1784 (see cut)	2		16 2	19		37	16 00	12 ¾	8 ¼	9 ¼
1785	2	2	14 2	16		32	14 50	11	8 ¼	9 ¼
1786	2	2	12 2	13 1		27	13 50	9 ¾	8 ¼	9 ¼
1787				28 1		28	12 00	11	7 ¾	8 ¼

TRANSFUSION APPARATUS, see also Allen's Surgical Pump, page 998.

Transfusion apparatus, Aveling's, plain.....	\$3 50
“ “ “ with scalpel and forceps, in neat case, Fig. 1803.....	6 00
“ “ Fryer's.....	5 00
“ “ Garrigues'.....	3 40

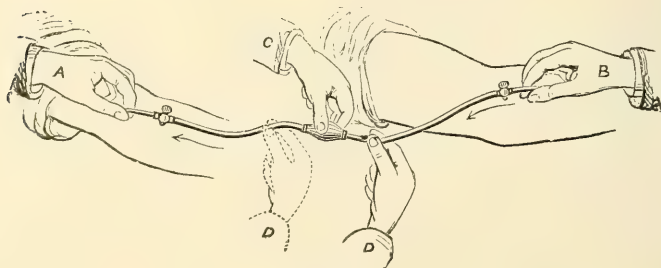


Fig. 1803.

Aveling's transfusion apparatus, Fig. 1803.....\$3 50



WHITALL, TATUM & CO'S

Phenix Hypodermic Syringes.

PHENIX No. 3.

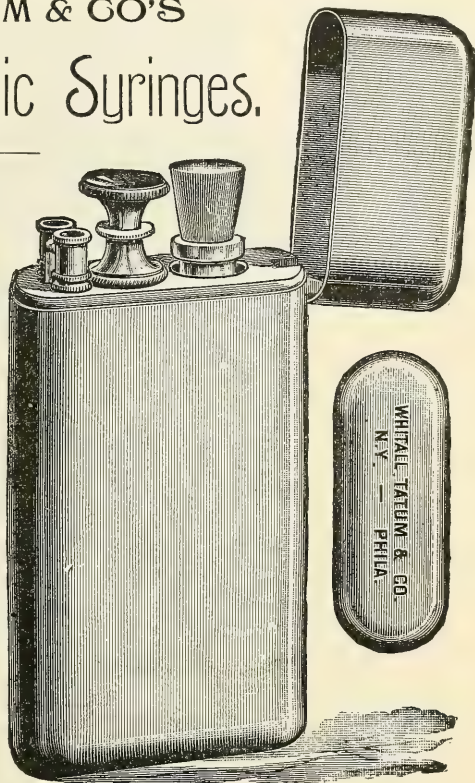
In Neat and Compact Nickel-Plated Metal Case, with Hinged Lid.

With Graduated Glass Barrel, protected by a Fenestrated Metal Cylinder.

By a simple device, used in connection with this style of Syringe, the needles can be attached to the spring before they are removed from the case, and can be returned to the case and securely fastened in it before they are detached from the syringe. This obviates the inconvenience of handling the needles as from the time the case is opened to use the syringe, until it is closed ready to return to the pocket, it is not necessary to touch the needles with the hand.

We specially commend this favorite style to our customers.

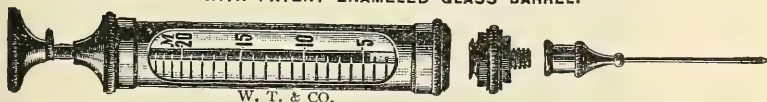
Per doz.....\$28 00



WHITALL, TATUM & CO'S

No. 20 TABLET HYPODERMIC SYRINGE.

WITH PATENT ENAMELED GLASS BARREL.



W. T. & CO.

The front of the barrel is of clear glass, with sides and back of opaque white. The lines and figures are enameled in black, and are therefore much more distinct than when engraved.

The Tablets are inserted into the barrel by unscrewing a cap at the end of the Syringe.

Price, in Morocco Case.....per doz., \$30 00

No. 25 TABLET HYPODERMIC SYRINGE.

Same as No. 20, except that the barrel is of plain glass, the graduations being on the piston rod.

Price, in Morocco Case.....per doz., \$20 00

CHAS. TRUAX & CO. GREENE & CO.

HYPODERMIC SYRINGES.



Fig. 1811. Hypodermic Syringe, No. 1, \$2.25; with platina needles..... \$3 75

This syringe is constructed after the French pattern, and has graduated glass barrel, double fenestrated metal guard, graduated piston with screw stop, three fine steel needles (one medium needle, one extra fine needle, and one of extra length); end of barrel removable for introduction of hypodermic tablets; metal cap to screw on in place of the needle when the syringe is not in use; vial with patent stopper permitting the filling of the syringe direct from the bottle. Syringe and needles nickel-plated. All in a neat morocco case, satin-lined, with extra wires and washers. The most perfect and durable syringe in the market.

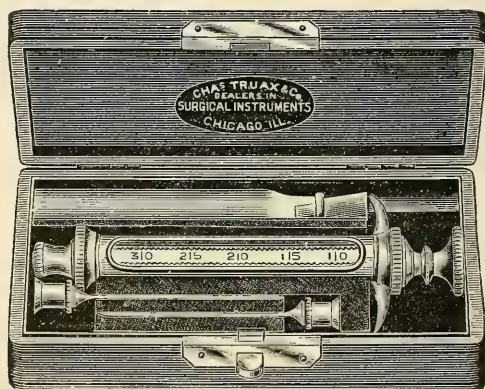


Fig. 1812. Hypodermic Syringe, No. 2, \$1.75; with platina needles..... \$3 25

This syringe differs from our No. 1 (Fig. 1811) only in being smaller and having but two needles, with a common bottle. It is strictly first-class in every respect.

Hypodermic Syringe, No. 3, same as shown in Fig. 1815 2 50

This syringe has double fenestrated metal guard, graduated on barrel and piston; end of barrel removable for the introduction of hypodermic tablets, piston supplied with screw stop, two steel needles, metal cap on end of barrel. Syringe and needles finely gold-plated, in neat, satin-lined morocco case, with extra wires and washers. A perfect syringe of good size.

CHAS. TRUAX & CO. GREENE & CO.

HYPODERMIC SYRINGES.

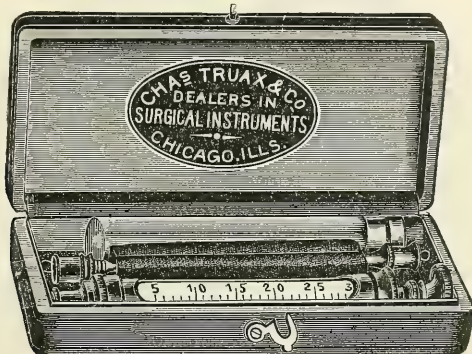


Fig. 1815. Hypodermic Syringe, No. 4, \$1.50, with Platina needles..... \$3 00

This Syringe has graduated glass barrel, fenestrated metal guard, end of barrel removable for introduction of hypodermic tablets, two steel needles with wire and bottle in morocco case. It is of good quality and will give satisfaction.

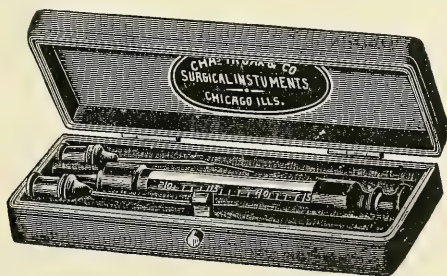


Fig. 1816. Hypodermic Syringe, No. 6..... \$1 00

A fair quality Syringe, with hard rubber attachments.

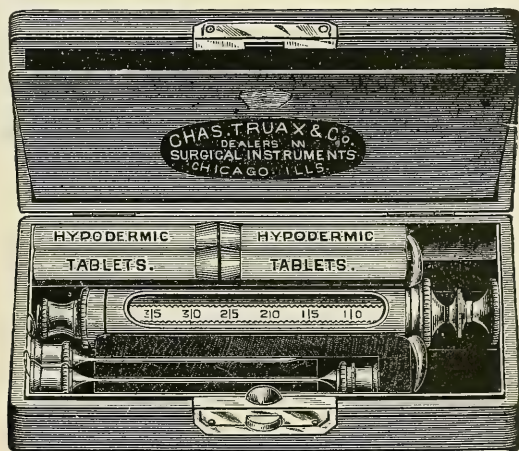


Fig. 1823. Hypodermic Syringe, No. 9, \$2.75, with Platina Needles..... \$4 25

This Syringe is the same as our No. 1. with the addition of four bottles of hypodermic tablets.

HAS **TRUAX & CO.** *GREENE & CO.*

HYPODERMIC SYRINGES.

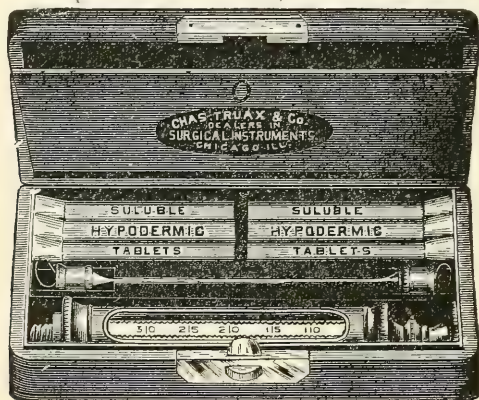


Fig. 1824. Hypodermic Syringe, No. 10, \$2.25; with Platina Needles.....\$ 3 75.

This syringe is the same as our No. 4, with the addition of six bottles of hypodermic tablets.

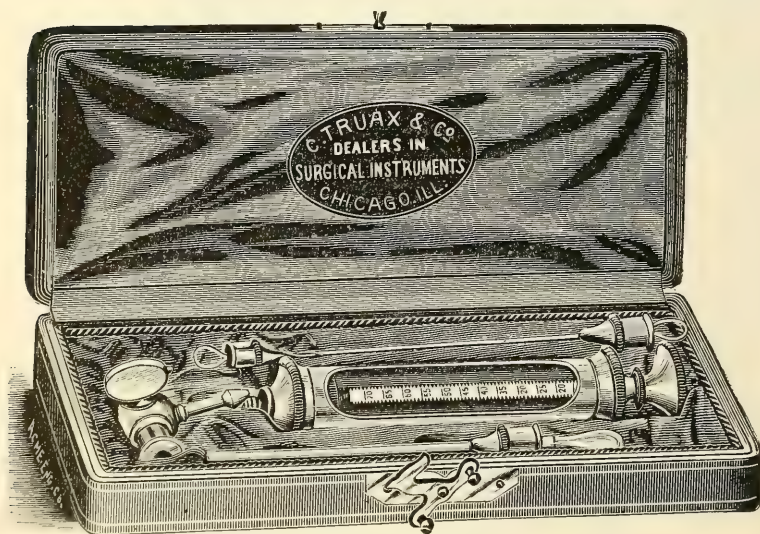


Fig. 1828. Hypodermic Syringe, No. 13, with stop-cock.....\$ 2 00.

This is an aspirating hypodermic, that can be used either as an ordinary hypodermic or veterinary use. It differs from our No. 12 in having an aspirating stop-cock that can be attached between the needle and the syringe, so that it is not necessary to either withdraw the needle or unscrew the syringe to expel the aspirated contents.



HYPODERMIC SYRINGES.

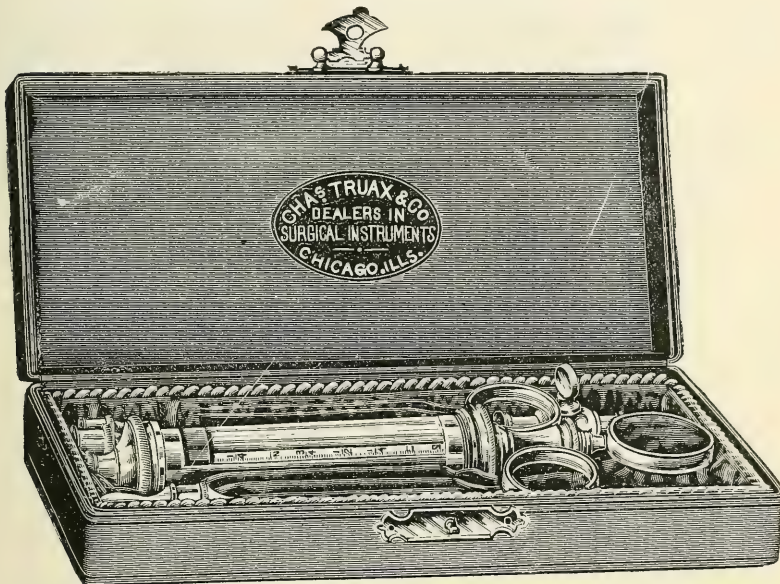


Fig. 1829. Hypodermic Syringe, No. 14 \$2 25
 This syringe, owing to its large size, is much used as an aspirator. It is similar to our No. 13, except that it is much larger and has ring handles.

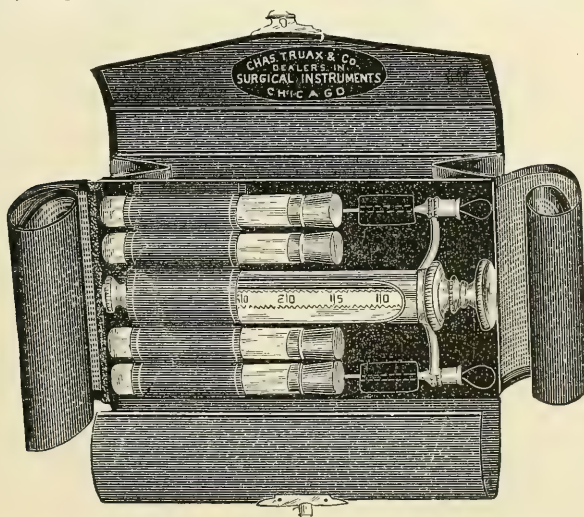


Fig. 1834. Hypodermic Syringe, No. 18 (full size), \$2 00; with platina needles, \$3 50

This has proven one of the most desirable patterns of hypodermic syringes yet offered to the profession, and it is meeting with an increased demand. The syringe is the same as our No. 1, while the case is of fine morocco, made quite flexible. The illustration is full size, and as the case has soft and elastic corners and edges, it is particularly adapted for carrying in the vest pocket.

HAS TRUAX & CO. GREENE

HYPODERMIC SYRINGES.

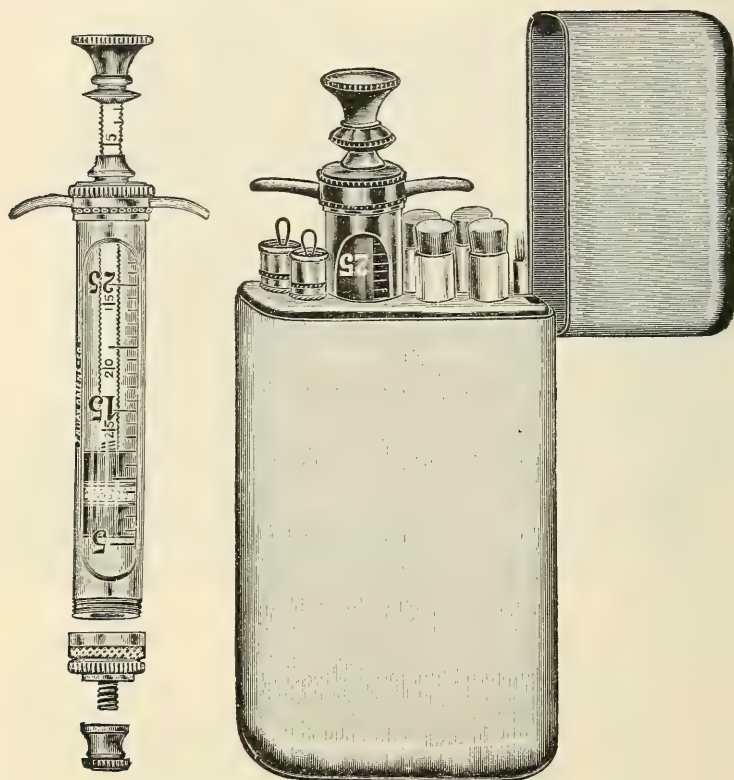


Fig. 1837. Hypodermic Syringe, No. 19, including 4 bottles of tablets..... \$2 50
Same in aluminum case..... 3 00

This syringe is of our best quality and latest improved pattern. The tablets are of useful formulæ and the entire case is offered at a very low figure.

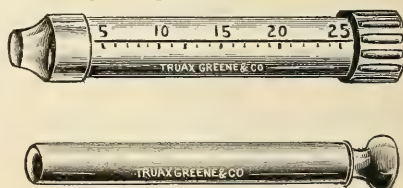
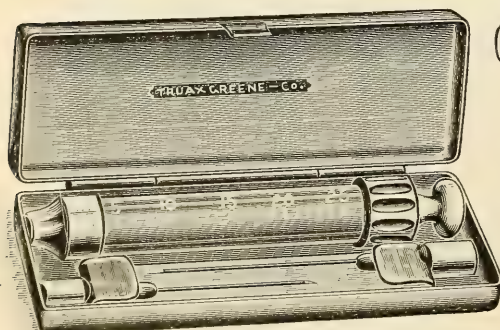


Fig. 1838. Aseptic Hypodermic, No. 20..... \$2 25
with platina needles..... 3 75

This syringe employs a new principle in that the piston is constructed large enough to exactly fill the barrel, thus avoiding the necessity of using packing. The piston is one piece of polished metal and the barrel is open at both ends, and the opening through its entire length is of the same diameter. The needles have slip joints thus rendering the instrument aseptic.



HYPODERMIC SYRINGES.

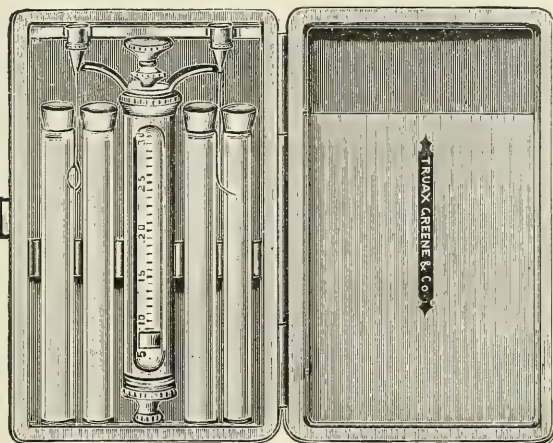


Fig. 1841. Hypodermic Syringe, No. 22, \$3.00; with Platina needles..... \$4.50

This syringe differs from our No. 18 only in the style of the case. The latter consists of a neat metal rim, filled with good leather while the syringe, needles, and bottles are held in place with metal clamps.



Fig. 1844. Hypodermic Syringe, No. 23..... \$3.50

This is one of the most desirable patterns of hypodermic cases in the market. The syringe is of the finest quality. The needles are made from seamless tubing, while the bottles are of white enamel glass, with black lettering.

HAS TRUAX & CO GREENE & CO

HYPODERMIC SYRINGES.



Fig. 1849. Truax, Greene & Co's Hypodermic Companion Case, No. 24..... \$3 50

This case contains one of our best No. 3 hypodermic syringes; one of our best No. 4 fever thermometers (fully warranted and having an indestructible index); a soft rubber catheter, and four bottles of hypodermic tablets.

This case is covered with the best of morocco and is lined with good velvet. It is only $4\frac{1}{4}$ inches long, $1\frac{3}{4}$ inches wide, and $\frac{1}{2}$ inch thick, and the corners are well rounded so as not to wear out the pockets.

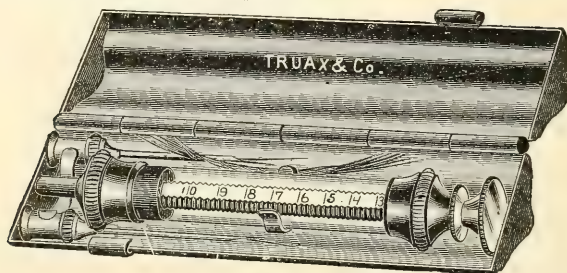


Fig. 1851. Hypodermic Syringe, No. 25, full size..... 1 25

This syringe is well made, graduated on piston, has glass barrel, two steel needles, and is put up in an aseptic metal case, one strong enough to be carried in the pocket.

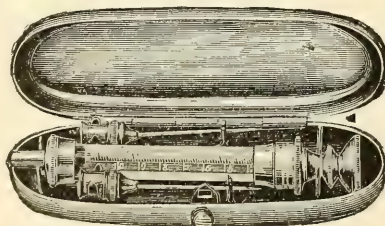


Fig. 1853. Hypodermic Syringe, No. 27..... 1 50

This is a neat, very small and quite compact syringe, put up in a strong metal case.

HYPODERMIC SYRINGES.

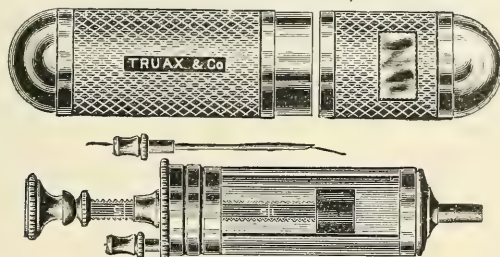


Fig. 1856. Hypodermic Syringe, No. 35\$2 50
This is a neat, complete syringe in a very small metal case. It is of good quality, and will give good satisfaction.

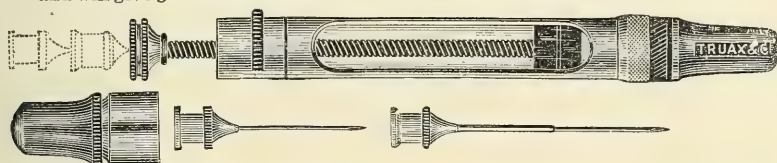


Fig. 1858. Hypodermic Syringe, No. 36..... 2 00
This is a double fenestrated syringe, provided with caps, so that it can be carried either in a pocket case or in the vest pocket. It is provided with two needles, one nesting in the other; while at the lower end is a compartment for hypodermic tablets.



Fig. 1859. Hypodermic Syringe, No. 38..... 2 00
This syringe has a solid silver barrel, graduated on piston, plated needle fitting into end of piston. This syringe has become quite popular owing to its durability and compactness. It can be carried in the vest pocket, under the loop of a pocket medicine case or in a pocket instrument case.

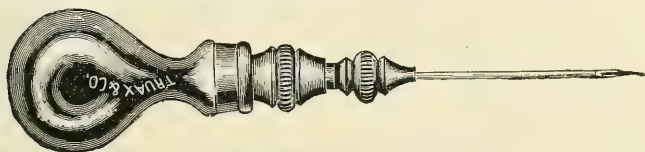


Fig. 1860. Thomas' Aseptible Hypodermic Syringe, 30 or 60 minim, in case, \$1.00, with two needles, \$1.25. If without case, 75 cents, with two needles..... 1 00

This consists of a heavy rubber bulb, with hard rubber attachments. The syringe is durable, economical and as effective as the old style patterns.

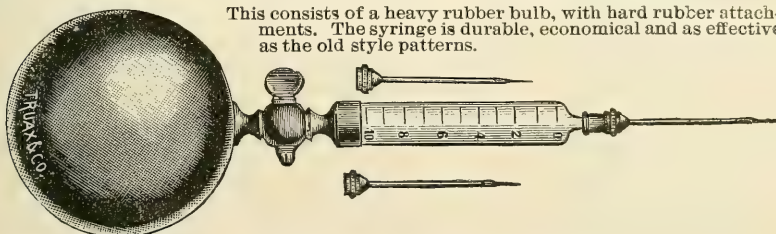


Fig. 1861. Koch's Aseptible Hypodermic Syringe, in neat case..... 2 00



HYPODERMIC NEEDLES.



Fig. 1864. Hypodermic Needle, extra fine



Fig. 1865. Hypodermic Needle, medium.



Fig. 1866. Hypodermic Needle, reinforced.



Fig. 1867. Hypodermic Needle, extra long.

HYPODERMIC Needles, best steel, nickel-plated, Fig. 1865.....	\$0 25
Needles, best steel, nickel plated, extra fine, Fig. 1864.....	35
" " " " extra long, Fig. 1867.....	35
" " " " reinforced, Fig. 1866.....	35
" " " " slip over	30
" " " " gold plated, 10 cents additional.....	
" " " " for No. 38 Hypodermic.....	35
" " " " all gold.....	1 00
" " " " all platina. See note below	1 00

We are prepared to furnish needles to fit all styles and makes of hypodermic syringes.

To those who wish serviceable hypodermic needles we can recommend our new tempered platina ones. They will pierce well and may be cleared from ordinary obstructions by heating to a red heat in an ordinary spirit lamp.



Fig. 1868.

HYPODERMIC Needle, best steel, for aspirating, Fig. 1868 75



Fig. 1869.

HYPODERMIC Canulas, soft silver, Ingal's, Fig. 1869..... 1 00

This canula may be attached to any of our hypodermic syringes, excepting our No. 38, and will be found useful for introducing cocaine and other remedies into the nares, ear and other cavities of the body. It is of soft silver, capable of being curved at any angle. It is probe pointed and is thus adapted for introduction in gun-shot wounds and sinuous cavities.

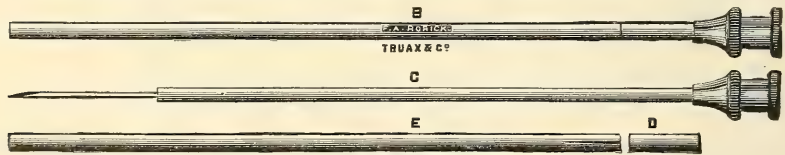


Fig. 1869 A.

HYPODERMIC Needles, Rectal, Truax & Co's, Fig. 1869 A..... 1 00
Reamers for cleaning out needles 10



Fig. 1869 B.

HYPODERMIC Trocar, Fig. 1869 B..... 75
Wire, for needles, per bunch..... 05

HYPODERMIC SYRINGE REPAIRING. See Repairs, page 925.

We make a specialty of repairing hypodermic syringes, and as we often receive several in one mail, we ask that physicians attach their prescription blank or label to them, in order that we may know from whom we receive them. If a portion of the syringe is to be replaced, send us the entire syringe, so we can obtain a perfect fit.



STANDARD CLINICAL THERMOMETERS.



NOT THE LOWEST PRICE, BUT THE BEST THAT CAN BE MADE.

KNOWING the trouble physicians have in procuring an accurate Clinical Thermometer, I wish to draw attention to my "Standard Clinical Thermometers," which are being used in most all the large institutions in this City and State and are giving the best of satisfaction, not one as yet having been returned to me for inaccuracy.

I manufacture these goods of the very best glass obtainable for the purpose, and absolutely guarantee each and every Thermometer bearing my name or the name of the customer for whom I make them.

All Thermometers of my make should bear this mark



These goods I can furnish either with the lens front or the ordinary tube. With each Thermometer I furnish a certificate of corrections and ten clinical charts on which physicians can record the temperature, pulse, respiration, excreta, etc., of their patients semi-daily.

The prices for these goods are as follows:

Four or five inch, plain, indestructible index, with certificate and clinical charts, \$1 25.

Four or five inch, lens front, indestructible index, with certificate and clinical charts, \$1 50 each.

The above Thermometers are packed in hard rubber or my Patent Safety case. If gold-plated cases are required, add 50 cents to the above prices.

The above goods can be obtained from Chas. Truax, Greene & Co., and all large Surgical Instrument dealers in the country.

CHAS. J. TAGLIABUE.

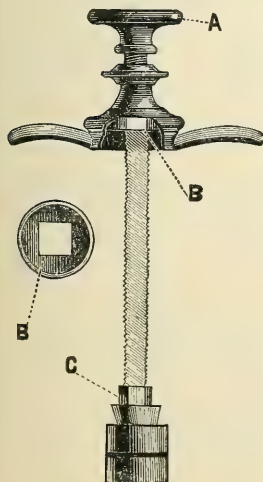
IMPROVED HYPODERMIC SYRINGES.

NOTWITHSTANDING the fact that most Hypodermic Syringes are constantly getting out of order, yet so universally are they used that scarcely a physician can be found who does not possess from one to half a dozen, the great majority of which are totally unfit for use because the pistons fail to work properly in the cylinders.

This defect is remedied in our **PATENT EXPANDING PISTON**, in being so arranged that any degree of lateral pressure desired can be made upon the sides of the cylinder so that if the packing swells, causing the piston to slide with a rough, uneven motion, the pressure can be reduced and regulated so that it will work as smoothly as when first made. A more common fault, however, is the shrinking of the pistons, which not only prevents the operator from injecting the contents of the barrel, but renders the attempt dangerous by admitting air into the cylinder. This shrinking is caused by too little use, by using poor material in making the packing, or by neglecting to keep the packing properly oiled or moistened.

Our patent consists of the ingenious contrivance for expanding and tightening the plunger in the glass barrel, without taking the syringe apart.

THE LATEST AND BEST



No. 17. Hypodermic Syringe, in fine nickel case with spring cover: needles screw into case; with 4 vials for TABLETS. This is the most compact and neatest case in the market.

Per doz\$36 00

No. 37. Same as No.

17, in ALUMINUM.

CASE, per doz. \$48 00

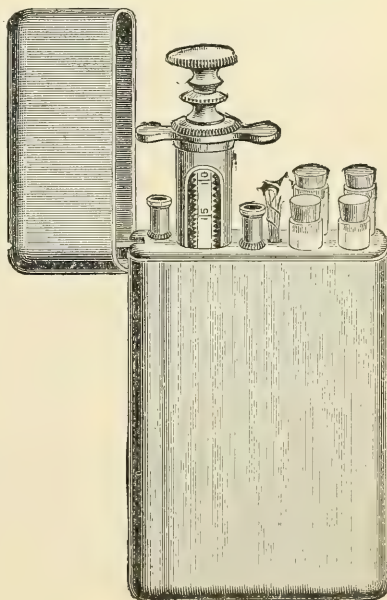
Patentee and M^r

CHAS. J. TAGLIABUE,

49 to 53 Fulton St., N. Y.

FOR SALE BY

Chas. Truax, Greene & Co.





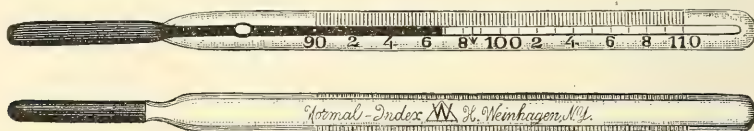
POSITIVE GUARANTEE WITH

WEINHAGEN'S Magnifying Normal Index Fever Thermometers.

We guarantee extreme sensitiveness, **ABSOLUTE RELIABILITY**, self-registering indestructible index, largely magnified mercurial column, and that age will not change their readings.

Don't take one that your dealer says is just as good. TRY OURS.

*Don't take an Imitation, get the Genuine **NORMAL INDEX** Thermometer.*



THE ENGRAVING ON THE BACK OF OUR THERMOMETERS MUST READ AS IN THE CUT.

Solid Silver Case, Chain and Pin, price, with 4-inch Thermometers	each	\$2 50
Enameled Case, with Solid Silver Ends and Chain, price, with 4-inch Thermometers	each	2 00
Heavy Gold-Plated Case, Gilt Chain and Pin, with 3 1-2 or 4-inch Thermometers	each	1 50
Enameled and Gold-Plated Case, Gilt Chain and Pin, with 3 1-2 or 4-inch Thermometers	each	1 50
Hard Rubber Case, with 3 1-2, 4 or 5-inch Thermometers	each	1 25

H. WEINHAGEN,

ESTABLISHED 1855.

SEND FOR NEW CATALOGUE.

22 and 24 North William Street, NEW YORK.

These Thermometers are the highest grade goods manufactured in this country or abroad.

MR. WEINHAGEN:

DEAR SIR.—Yours of the 9th inst. was duly received. With the small corrections you have attained in recent shipments I should think you will find it profitable to have all your best Clinical Thermometers certified.

Very respectfully yours,

ROBT BROWN, Secretary.

MR. WEINHAGEN:

DEAR SIR.—During my connection with the Observatory of Yale College, between thirty and forty thousand Thermometers of all classes underwent a critical examination at my hands.

I thereby formed the opinion that the workmanship upon your Thermometers was fully equal to that of any in the market.

Very respectfully yours,

ORRAN T. SHERMAN.

ORDERS FILLED BY CHAS. TRUAX, GREENE & CO.



PHYSICAL DIAGNOSIS.

FEVER THERMOMETERS.

In order that customers may clearly understand our position in regard to fever thermometers that are broken in transit, we state here, that under no circumstances will we become responsible for their safe delivery. We will pack them with the greatest care, and will use our best endeavors to prevent their becoming broken, but customers must in all cases assume risk of breakage.

From and after the issue of this list we will carefully test all fever thermometers bearing our name (for which we will make no extra charge). Customers ordering from us will get accurate instruments only, without the expense of paying for certificates or the extra charges made by foreign makers. These re-tested ones are Nos. 2 to 5 inclusive.



- No. 1. Ordinary Self-Registering Thermometer..... \$0 75
This is a good thermometer, warranted, but is not re-tested.



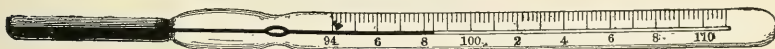
- No. 2. Truax, Greene & Co's Perfect Fever Thermometer..... 1 25
This thermometer is pointed or graduated from tubes that are not less than two years old, and each is guaranteed to be correct within one-tenth of a degree. The temperature is marked every two degrees, so it is easily and quickly read. Every one warranted accurate.



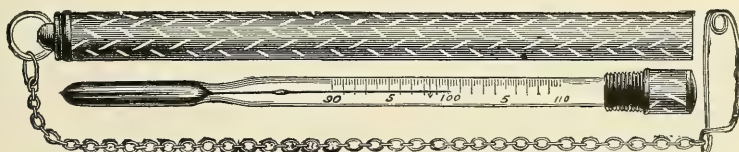
- No. 3. Truax, Greene & Co's One-Minute Thermometer..... 1 25
This instrument not only possesses all the advantages of a self-registering thermometer, but is constructed on a new principle which enables it to reach its maximum temperature inside of one minute.



- No. 4. Truax, Greene & Co's Self-Registering Thermometer, re-tested..... 1 00
This thermometer not only possesses all the advantages of a self-registering instrument, but is so constructed as to form a new index every time it is used, thus avoiding all danger of accidental loss of register. This enables us to fully guarantee this thermometer not only to be accurate, but to retain its register indefinitely. Imperfect ones will be exchanged free of charge.



- No. 5. Truax, Greene & Co's Magnifying Index Thermometer..... 1 00
This thermometer is exactly like our No. 4, except that it has a magnifying index. They are all re-tested and guaranteed accurate.



- No. 6. Truax, Greene & Co's No. 4 Thermometer (described above) in gold plated case with chain and pin..... 1 25



PHYSICAL DIAGNOSIS.

FEVER THERMOMETERS, Bayer's Patent Colored Bulb Thermometers, see

Index.....	\$ 1 00
Hicks' Patent, lens front, with indestructible index.....	2 25
“ Plain, self-registering, “.....	1 25
“ Ne Plus Ultra.....	3 50
Immisch's Avitreous Thermometers, silver, with certificate.....	6 00
“ “ gold.....	15 00
Seguin's Surface Thermometer.....	2 00
Tagliabue's Best, in safety case, see page 961.....	1 25
Weinhagen's Black Back, see page 962.....	1 00
Thermometer Cases, silver, for pocket case.....	75
“ “ gilt, with chain.....	50

PHYSICAL DIAGNOSIS—GENERAL.

Æsthesiometers, Ellsberg's, for the throat.....	5 25
“ Carroll's, Fig. 1910.....	2 75
“ Hammond's.....	2 00
“ Sieveking's.....	3 20
“ Vance's, Fig. 1912.....	3 75
Auscultator, Camman's.....	1 00
Cardiometer, Camman's.....	3 75
“ Flint's.....	8 00
Cyrtometer, Flint's, Fig. 1921.....	6 00
“ Wilson's, Fig. 1917.....	3 00
“ Wood's.....	7 50
Dynamometer, Collins' Improved, Fig. 1915.....	6 00
“ Hamilton's.....	3 75
Echroscope, Spiers', to intensify sounds produced by percussion.....	4 50
Fissure-meter, Horsley's, in case, Fig. 1919.....	18 00
Hæmarumaoscope, White's.....	1 90
Hæmacytometer, for the numeration of blood corpuscles, Gowers'.....	30 00
Hæmoglobinometer, for the estimation of hæmogoblin, Gowers'.....	10 00
Hammers, Flint's, hard rubber handle, Fig. 1901.....	50
“ “ metal handle, nickel plated, Fig. 1900.....	75
“ Neimayer's, Fig. 1898.....	1 50
“ North's, all hard rubber.....	1 00
“ Taylor's, Fig. 1902.....	1 50
“ Thimble pattern, Fig. 1897.....	35
“ Traube's, all metal handle, Fig. 1903.....	1 50
“ Wells', Fig. 1899.....	1 25
Piesmeter, Beard's, for measuring the sense of pressure.....	2 65
Pelvimeters, Baudelocque's.....	6 00
“ “ improved by Billings (Chicago), Fig. 1918..	7 00
“ Collins', Fig. 1920.....	6 00
“ Kustner's, Fig. 1923.....	6 00
Pleximeters, Flint's hard rubber, Fig. 1891.....	25
“ Glass, Fig. 1889.....	35
“ Ivory.....	75
“ Struck's, Fig. 1893.....	35
Pneumatic Apparatus, (Fraenkel's).....	12 00
“ Tobolt's.....	37 50
Pneumatometer, Waldenberg's.....	6 50
Resonator, Holden's.....	2 00
Respirometer, Marsh's, pocket.....	12 00
Sand Glasses, $\frac{1}{4}$ minute, Fig. 1896.....	1 00
“ “ $\frac{1}{2}$ “ “ 1896.....	1 00



PHYSICAL DIAGNOSIS.

PHYSICAL DIAGNOSIS—GENERAL.

Sphygmograph, Dudgeon's Fig. 1911.....	\$18 75
“ Marez' Fig. 1914.....	60 00
“ Pond's.....	35 00
Spirometer, Barnes'.....	6 00
“ Shepard's, nickel-plated.....	25 00
“ Denison's, see page 972.....	7 50
“ Marsh's, \$2.50; extra bulbs.....	25
Stethometer, Carroll's.....	2 40
“ Quain's.....	8 00
Stethoscopes, Allison's differential, Fig. 1882.....	2 50
“ Arnold's, Fig. 1907.....	75
“ Boeker's, Fig. 1905.....	1 00
“ Burt's, Fig. 1873.....	6 00
“ Camman's, plain, with band, and Snelling's Soft Rubber Cup, Fig. 1876.....	1 35
“ Camman's, plain, with spring, and Snelling's Soft Rubber Cup, Fig. 1884.....	1 35
“ Camman's, Davis' modification, with Snelling's Cup, Fig. 1883.....	2 00
“ Camman's best, with screw adjustment and Snelling's Cup, Fig. 1877.....	2 25
“ Cedar, Fig. 1906.....	40
“ Celluloid, pocket, finely finished, Fig. 1908.....	2 00
“ Davis', with Snelling's cup, Fig. 1883.....	2 00
“ Denison's , complete, Fig. 1870.....	4 00
“ Flexible, Fig. 1907.....	1 00
“ Hawksley's.....	1 00
“ “ aluminum folding.....	1 50
“ Hard rubber, plain, Fig. 1904.....	75
“ Knight's, Fig. 1872.....	3 00
“ Laenec Fig. 1871.....	4 00
“ Lynch's, folding, Fig. 1881.....	3 00
“ Paul's, Fig. 1887.....	2 50
“ Perfected, Camman's, Fig. 1885.....	2 25
“ Snofton's, Fig. 1886.....	2 25
“ Telescoping, Fig. 1909.....	1 25
“ University, Fig. 1880.....	2 00
“ Valentine's, Fig. 1874.....	5 00

For parts of Stethoscopes, see Repairs, page 925.

Tape-Measures, spring-metal case, 3 feet.....	35
5 feet.....	45
6 feet.....	50
Tape-Measures, steel tape, inches and metric scale, 5 feet, Fig. 1924...	1 25

HAS **TRUAX** AND **GREENE** & CO.

PHYSICAL DIAGNOSIS—STETHOSCOPES.

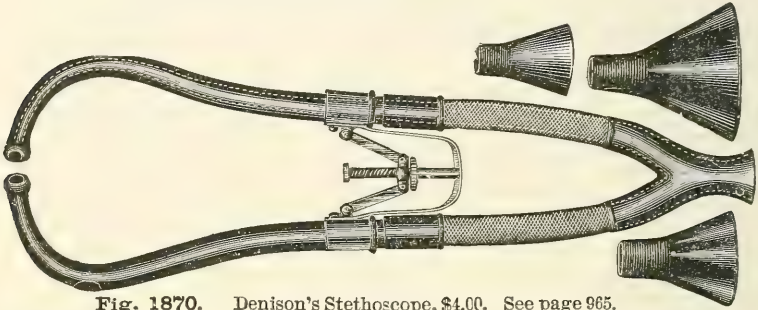


Fig. 1870. Denison's Stethoscope, \$4.00. See page 965.

This Stethoscope is the invention of Chas. Denison, A.M., M.D., of Denver, Colo., and is the result of several years of careful research and experiments. Its advantages consist in the non-metallic quality of the sounds transmitted; its power of concentrating as well as conducting the waves of sound; the improved shape of the ear pieces and the bell endings, and its use in stethoscopic percussion. The arms and joints are made of hard rubber, thus avoiding the perversion of the natural sounds and elevation of the pitch, as is the case where metal tubes are used. So much care is exercised in this particular, that even the spiral lining wires of the flexible tubes are carefully laid between thin tubes of soft rubber, and the two then vulcanized together. All the parts of this instrument are conical, so they form a gradually decreasing channel from the bell endings to the ear, as is shown by the dotted lines in Fig. 1870. This gives to the instrument the power of concentrating the waves of sound as well as that of transmitting them. In addition to the two bell endings that accompany most stethoscopes, it is provided with two additional ones, one of soft rubber and intended to use on uneven surfaces, as in emaciated patients, and the other for use in stethoscopic percussion. This bell is three inches in diameter, and for this use is held by the patient about three inches in front of his open mouth while the examiner makes forcible percussion (chiefly during expiration), thus obtaining the "cracked metal" and hollow sounds diagnostic of bronchial dilations, and cavities connected with the bronchial tract. The certainty with which these can be traced and mapped out by this means is astonishing to those who have never tried this method. We have no hesitancy in recommending this instrument to those who value a stethoscope for its real merits, as an aid in obtaining accurate results in chest examinations, and not for the outward scientific show so often made use of with these instruments as advertising mediums.

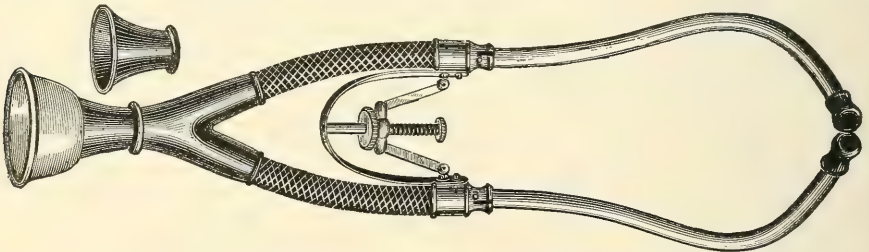


Fig. 1871. Bartlett's (Chicago) "Laenec" Stethoscope, \$4.00. See page 965.

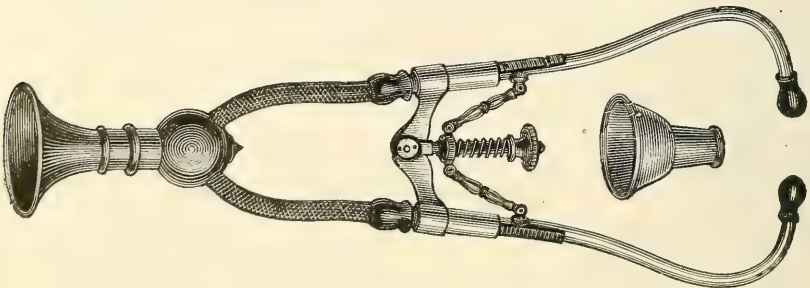


Fig. 1872. Knight's Stethoscope, \$3.00. See page 965.



PHYSICAL DIAGNOSIS—STETHOSCOPES.

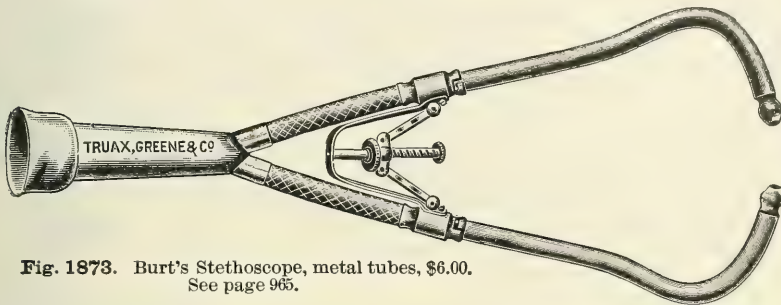


Fig. 1873. Burt's Stethoscope, metal tubes, \$6.00.
See page 965.

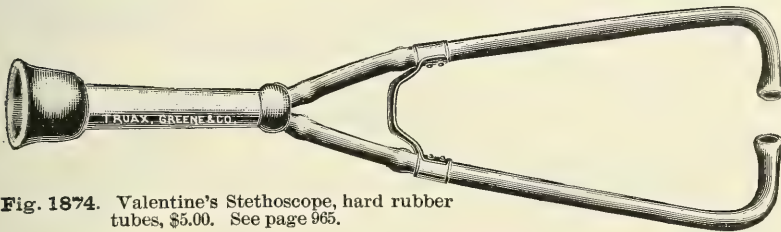


Fig. 1874. Valentine's Stethoscope, hard rubber tubes, \$5.00. See page 965.

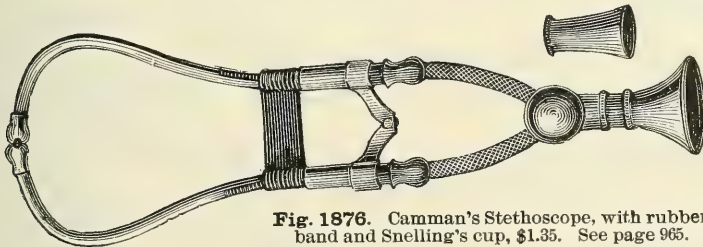


Fig. 1876. Camman's Stethoscope, with rubber band and Snelling's cup, \$1.35. See page 965.

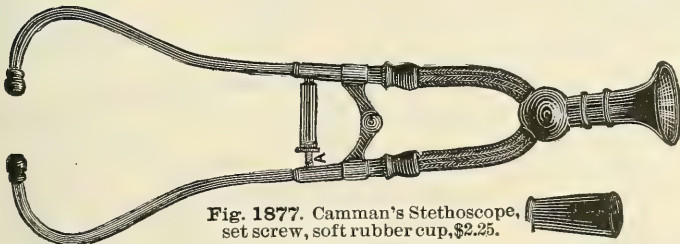


Fig. 1877. Camman's Stethoscope, set screw, soft rubber cup, \$2.25.

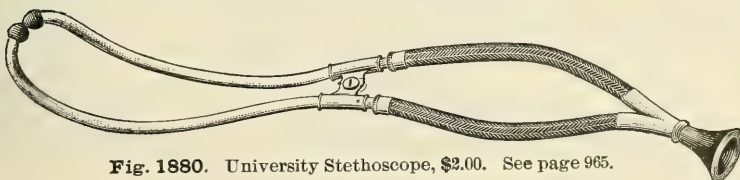


Fig. 1880. University Stethoscope, \$2.00. See page 965.

CHAS. TRUAX & CO. GREENE

PHYSICAL DIAGNOSIS—STETHOSCOPES.

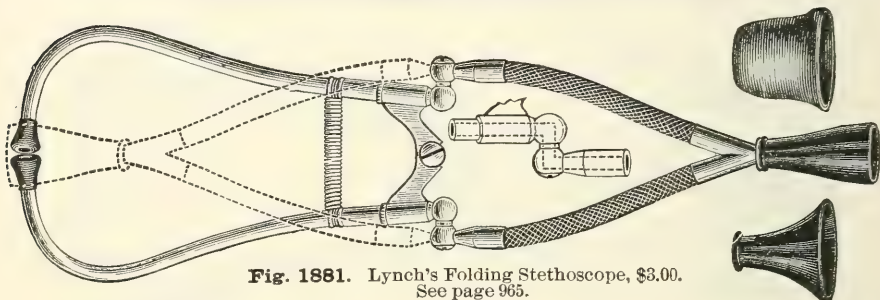


Fig. 1881. Lynch's Folding Stethoscope, \$3.00.
See page 965.

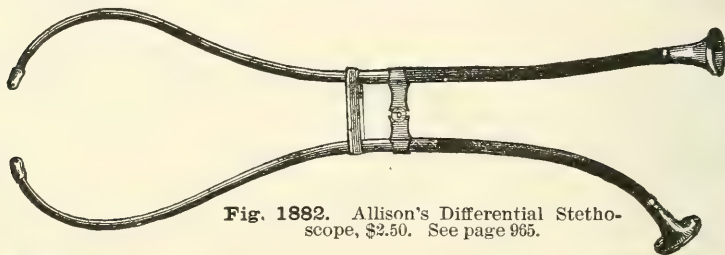


Fig. 1882. Allison's Differential Stethoscope, \$2.50. See page 965.

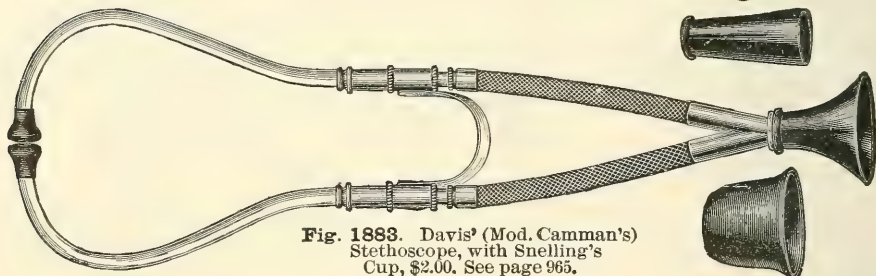


Fig. 1883. Davis' (Mod. Camman's) Stethoscope, with Snelling's Cup, \$2.00. See page 965.

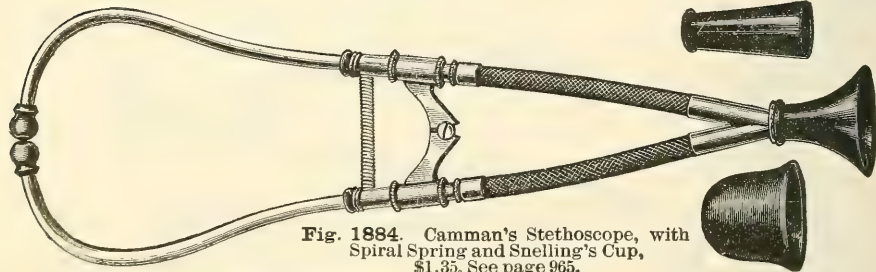


Fig. 1884. Camman's Stethoscope, with Spiral Spring and Snelling's Cup, \$1.35. See page 965.

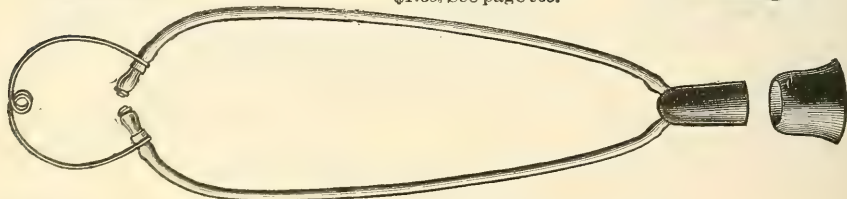


Fig. 1885. Perfected Camman Stethoscope, best quality, \$2.25. See page 965.

PHYSICAL DIAGNOSIS.

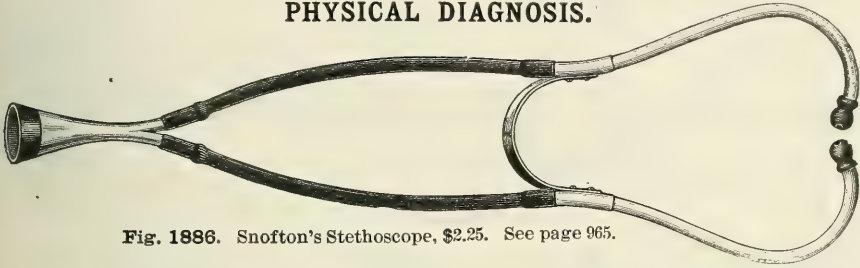


Fig. 1886. Snotton's Stethoscope, \$2.25. See page 965.

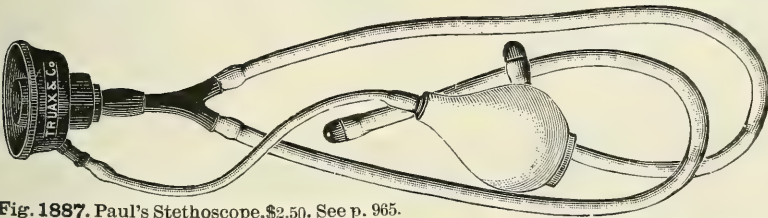


Fig. 1887. Paul's Stethoscope, \$2.50. See p. 965.



Fig. 1889. Glass Pleximeter, 35c. See page 964.



Fig. 1891. Flint's Pleximeter, 25c. See page 964.



Fig. 1893. Struck's Pleximeter, 35c. See p. 964.

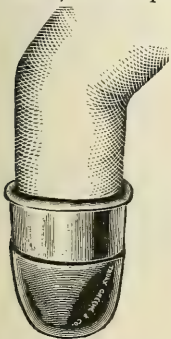


Fig. 1897. Thimble Pattern Hammer, 35c. See page 964.



Fig. 1898. Neimayer's Hammer, aseptible, \$1.50. See page 964. This hammer has a metallic spring handle and soft rubber head.

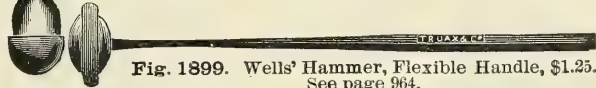


Fig. 1899. Wells' Hammer, Flexible Handle, \$1.25. See page 964.



Fig. 1900. Flint's Hammer, aseptible, with Metal Handle, 75c. See page 964.



Fig. 1901. Flint's Hammer, Hard Rubber Handle, 50c. See page 964.

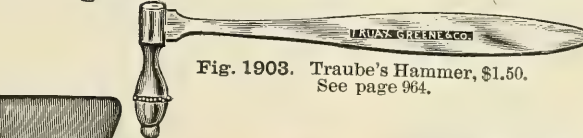


Fig. 1903. Traube's Hammer, \$1.50. See page 964.

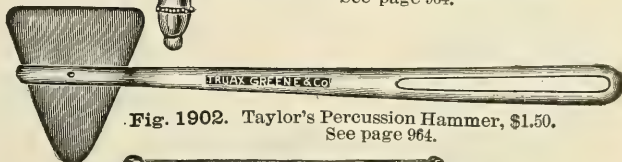


Fig. 1902. Taylor's Percussion Hammer, \$1.50. See page 964.



Fig. 1896. Sand Glass, $\frac{1}{4}$ or $\frac{1}{2}$ minute, \$1.00. See page 964.

PHYSICAL DIAGNOSIS.



Fig. 1904. Hard Rubber Stethoscope, 75c. See page 965.

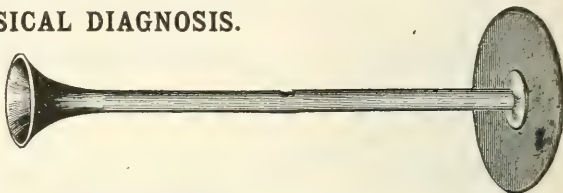


Fig. 1905. Boeker's Stethoscope, \$1.00. See page 965.



Fig. 1906. Cedar Stethoscope, 40c.



Fig. 1907. Arnold's Stethoscope, \$0.75
See page 965.

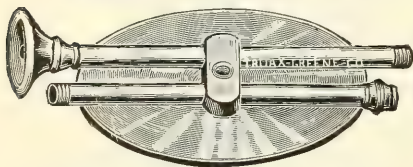


Fig. 1908. Celulloid Folding Stethoscope, \$2.00. See page 965.

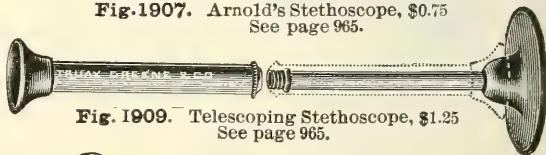


Fig. 1909. Telescoping Stethoscope, \$1.25
See page 965.

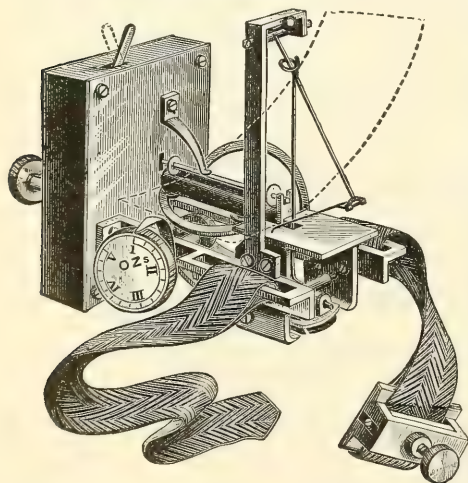


Fig. 1911. Dudgeon's Sphygmograph, \$18.75.

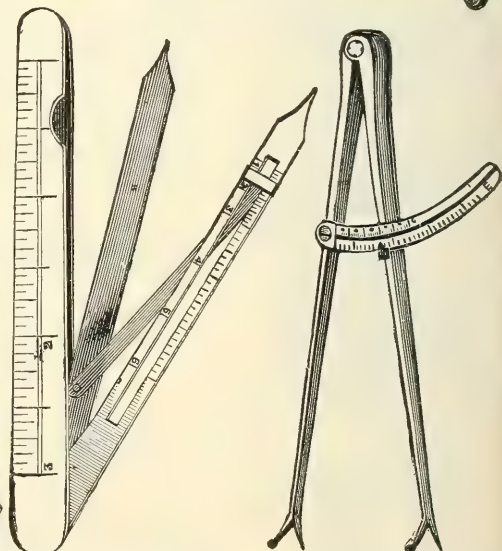


Fig. 1912. Vance's Aesthesiometer, \$4.00. See page 964.

Fig. 1910. Carroll's Aesthesiometer, \$3.00. See page 964.

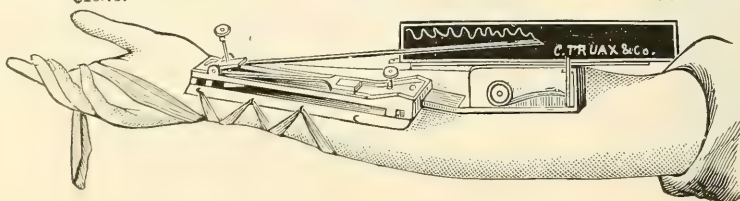


Fig. 1914. Marez's Sphygmograph, \$60.00. See page 965.

HAS

TRUAX & GREENE

PHYSICAL DIAGNOSIS.

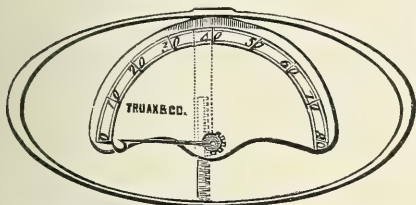


Fig. 1915. Collins' Dynamometer, \$6.00.
See page 964.

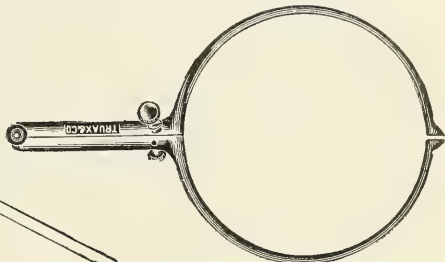


Fig. 1918. Billing's Modification, Baudalogue's Pelvimeter, \$7.00. See page 964.

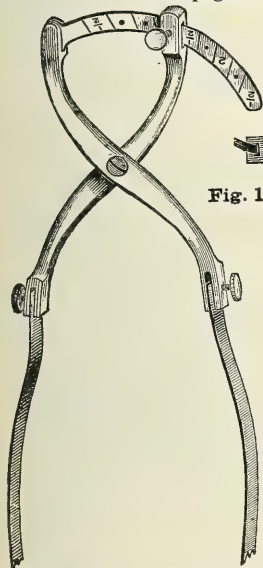


Fig. 1917. Wilson's Cyrtometer, \$3.00. See page 964.

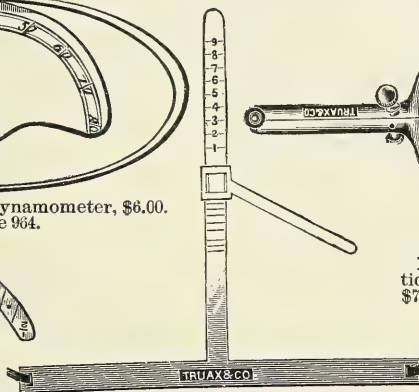


Fig. 1919. Horsley's Fissure-meter, \$18.00. See page 964.

Fig. 1921. Flint's Cyr-tometer, \$6.00. See page 964.

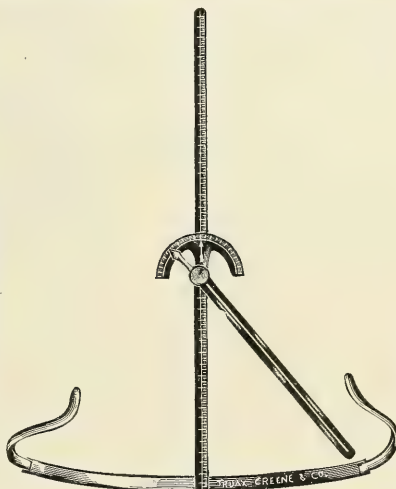


Fig. 1920. Collins' Pelvi-meter, \$6.00. See page 964.

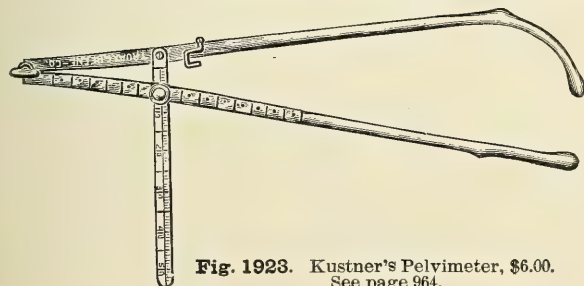


Fig. 1923. Kustner's Pelvimeter, \$6.00.
See page 964.

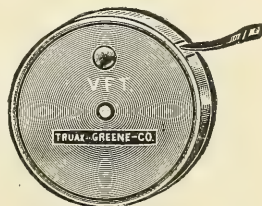


Fig. 1924. Steel Band Tape Measure, inches and millimeters, 5 feet, \$1.25.



DENISON'S SPIROMETER.

The advantages of this instrument over other spirometers are:

- 1. Its simple construction.
- 2. The ease with which it may be kept in repair.
- 3. Its accurate measurements in cubic inches of the expired breath, whether used by a man, woman or child.
- 4. There is an exhaust valve to facilitate the emptying of the instrument, and the whole is arranged to be taken apart and laid flat for shipment.
- 5. There is no resistance to expiration as with most other spirometers. This, with rubber bags, amounts to about 20 millimeters of mercury and makes them often useless, i. e., with some invalid females.
- 6. There is no rusting or corroding as with metal cylinder spirometers, nor inequality of record from evaporation as with water spirometers.
- 7. It will do what is otherwise very difficult for any diagnostician to determine, i. e., give strong proof of the existence of a concealed bronchietasis or cavity surrounded by much fibroid induration and filled with foul secretions. This is because there being no resistance to the full forcible expiration of air, the new fibroid growth is started into such strong contraction that the purulent contents of such a cavity are squeezed out through the bronchial tract. This usually occurs toward the end of the expiratory effort and is accompanied by a spasmodic cough.
- 8. It is a better means of determining the relative use or ventilation of the two lungs than before known, i. e., when tried in conjunction with the measurements of the movements in forcible respiration of the two sides of the chest. The author's rule for this test is as follows: "Suppose the normal spirometric record of a patient is only one-half of what it should be for his height, and the expansions of the two sides are as one to two, then if no defect or disease is noted in the better lung, it is well to assume that the lack of ventilation in the other lung is almost complete—that is, the half that is done is nearly all due to the good lung. For other variations in the bilateral measurements this rule can be correspondingly altered."

Thus an approximate apportionment of the given spirometrical record can be made in any invalid's case, all the way between one lung doing all the work to both lungs doing each their appropriate share as in health.

The spirometer may not indicate the disease, but its use is so important, that the physical examination must make clear the spirometrical record of a given patient, or that examination is untrustworthy. How important then, that every physician, when examining a chronic lung case, should know what the vital capacity of his patient is, that he may be satisfied himself that his conclusions are correct, as well as that he may do his patient full justice.

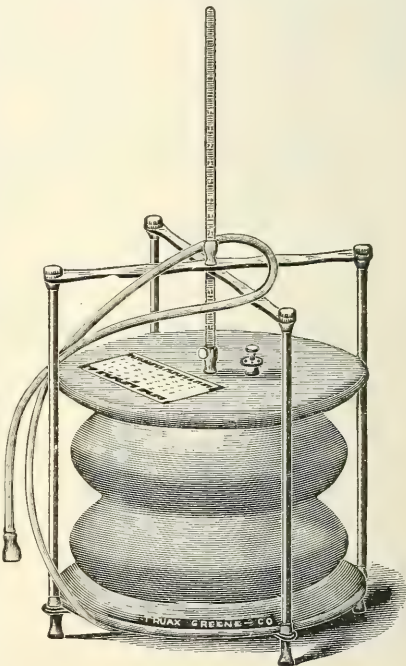


Fig. 1924 A. Denison's Spirometer, \$7 50

STANDARD VITAL CAPACITY TABLE.

Computed from 5,000 observations (Hutchinson) in healthy persons, standing, while making a full expiration into the spirometer, after a complete inspiration.

Height.			Height.			2,230 Amherst College Students (Males) Gymnasium Record.		
Males.			Females.			Males.		
Females.			Height.			Females.		
ft.	in.	cu. in.	ft.	in.	cu. in.	ft.	in.	cu. in.
4	7	126	5	5	206		168	194
4	9	142	5	6	214		176	210
4	11	158	5	7	222		184	224
5	0	166	5	8	230		192	240
5	1	174	5	9	238		200	256
5	2	182	5	10	246		208	270
5	3	190	5	11	254		216	286
5	4	198	6	0	262		224	302



DENISON'S MANOMETER.

By CHARLES DENISON, A. M., M. D.,
OF DENVER, COLORADO.

Professor of Diseases of the Chest and of Climatology, Medical Department, University of Denver;
Author of the "Rocky Mountain Health Resorts," "Climates of the United States," "Exercise for Pulmonary Invalids," etc.

This instrument differs from other Manometers in its special adaptation to the physician's use. While the best position for using it is to have it fastened firmly to a perpendicular window frame, desk or office wall, at the average height of a person's face when standing, yet it can be carried in a bag or kept in a drawer without spilling the mercury, and the peculiarly constructed bulbs on the ends of the tube not only aid in this regard but prevent any one, no matter how strong his lungs may be, from blowing out the mercury.

The *gauge* of the manometer is limited by 100 millimeters of mercury (m. m.) or a little less than two pounds pressure, which is the power usually shown by a *good sized, fairly strong, healthy man*. For women it is usually fair to make a deduction of twenty or twenty-five per cent.

The strength of the air cells as shown by the use of this instrument, is necessarily influenced by the habits of lung exercise. Accounting for this, which does not amount, even at first, to ten per cent., and *lung capacity* as shown, is well supplemented by this manometer evidence of *lung strength*.

Not only this but a valuable *diagnostic means* is afforded of the *fibroid healing process*, a most important characteristic of the convalescence or arrest of chronic lung disease. This is a fair inference from a good manometer record (say 80 m.m) with a knowledge of existing excavation in lung tissue. An improvement in this record warrants the same inference as *fibroid healing* where previously infiltration, inflammatory engorgement, or softening were known to exist.

Generally the improvement in the manometer record of a given patient keeps pace with the evidence of the physical signs, the measurements of the chest expansion and the spirometrical record.

DIRECTIONS FOR USING.—After a moderate inspiration put the lips against the edges of the mouth-piece, and steadily with increasing force blow into the tube up to your greatest capacity. The lowest point at which the top of the column of mercury is held stationary is the record for a given individual.

"Every good diagnostician not only needs this simple instrument, but also many patients with a tendency to fibroid lung shrinkage. The habitual use of the Manometer furnishes valuable *respiratory gymnastics* for such, and for others also a means of keeping track of improvement or loss in respiratory vigor."

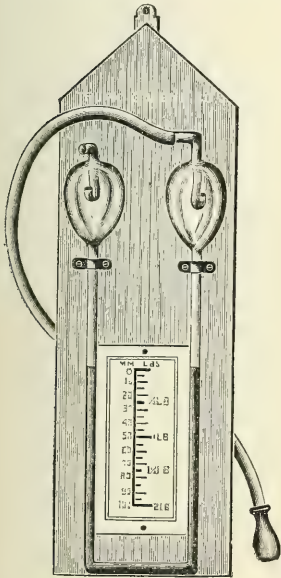


Fig. 1924. Denison's
Improved Manometer, \$1.50.



PETTERUTI'S KINESEOSCOPE.

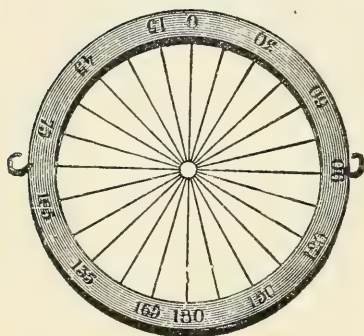


Fig. 1924 B.

"My kinesescope is nothing more than a circular plane mirror of a diameter of 4 centimeters, on the metallic frame of which are written the degrees into which a circle is divided, while upon the face of the mirror, radii corresponding to every fifteen degrees are marked. Starting from zero, and proceeding either to the right or to the left, we reach 180, situated opposite the zero. Those degrees proceeding to the right, or in a direction similar to that which is taken by the hands of a clock, are marked with the mathematical sign +, while those which are counted to the left are marked with the sign —.

This mirror is applied to the anterior part of the thorax, in such a manner that the line 0-180 is parallel to the vertical axis of the body. The points upon which I have made my observations are taken upon the median line of the thorax (manubrium and sternum), and upon the parasternal lines at both sides.

If, for example, we apply this mirror upon the sternum at the height of the third rib, and we look upon its surface at the reflected image of objects situated on the ceiling or upon the walls of the room in which the patient stands, we will observe that these objects move according to certain directions, which are always constant in the same patient and in the same place. These movements are caused by the respiratory motions of the patient's thorax. If, now, we compare the direction of the movements of the reflected objects with the lines which are drawn upon the mirror, we will easily be able to determine their true extent. For instance, given a healthy individual, we will observe that objects will move in a direction parallel to the vertical axis of the body, beginning at zero and moving toward 180. An inverse movement will take place during the expiratory act. In every instance, I have noted only the direction of the inspiratory movement, taking upon the kinesescope the number toward which the image directs itself. In the case just mentioned, therefore, we would say: direction 180. In those cases of pulmonary disease in which one side respire less than the other, the kinesesopic image will always be directed toward the healthy side, with an inclination which will vary up to the degree of 90, and proportionately to the intensity of the difference between the two sides; thus, 90 would indicate the maximum possible difference. This inclination upon the sternum is found only in cases of abundant unilateral pleuritic effusions; in a pleuritic effusion found upon the right side, for instance, the movements of the objects will present the angle +90, whereas, if the liquid be on the left side, the movements will take place upon the left side and read —90. All this is true only of the position on the sternum. Upon the parasternal lines, the kinesescope is applied upon corresponding ribs, and will show the difference in their respective motions, the image always being directed toward the point where the movement is most marked."



PHYSICAL DIAGNOSIS.

ALCOHOL LAMPS, fine quality, 2 oz., Fig. 1930 D	\$ 0 25
“ “ 4 oz. “ “	35
ALBUMINOMETER, Esbach's, with directions, Fig. 1938.....	1 00
BEAKERS, 1 oz., Fig. 1932.....	doz 1 00
2 oz., “	doz 1 15
4 oz., “	doz 1 75
8 oz., “	doz 2 25
BLOW PIPES, Brass, jewelers' form.....	50
BOTTLES, Acid, long stopper for dropping, Fig. 1932 B.....	50
BURETTES, Fig. 1930A. See chemical glassware page 387.	
BUNSEN BURNERS, Fig. 1932 A.....	50
DROPPERS, Medicine, straight or bent, Fig. 1933 A.....	doz 35
DROP-BOTTLE, Fig. 1933.....	25
EVAPORATING DISHES, Glass, 1½ in. diameter, Fig. 1932 C.....	10
“ “ 1½ in. “ “	12
“ “ 2 in. “ “	15
“ “ Porcelain, 1 oz., Fig. 1932 C.....	20
“ “ 2 oz., “ “	25
“ “ 4 oz., “ “	35
FLASKS, Chemical, best Bohemian, 1 oz., Fig. 1930 E.....	10
“ “ 2 oz., “ “	15
“ “ 4 oz., “ “	18
FUNNELS, Glass, ground ends, beveled, 1½ in. diameter, Fig. 1930 F.....	10
“ “ 2¾ “ “	15
GRADUATES. See dispensing supplies in index.	
LITMUS PAPER, In sheets or books, red or blue.....	10
“ Books. ½ doz. red, ½ doz. blue, in box.....	75
MORTARS, See Index.	
PIPETTES, Graduated to 5 c. c., Fig. 1935 C.....	25
SACCHAROMETER, Einhorn's, with directions, Fig. 1937.....	1 00
SPATULAS. See Dispensing Supplies in Index.	
STIRRING RODS, Glass.....	10
TEST GLASS, Conical, Fig. 1935 A.....	25
TEST TUBES, Plain, 3 in. Fig. 1935.....	doz 20
“ “ 4 in. “	doz 25
“ “ 5 in. “	doz 30
“ “ 6 in. “	doz 35
“ “ 8 in. “	doz 40
“ “ nested, 4 in nest, 3 to 6 inch.....	per nest 10
“ “ McWilliams', 7-16x5 inch	doz 30
“ “ Graduated, 5 inch, Fig. 1935 B.....	40
“ “ On foot, Fig. 1930 G.....	10
TEST TUBE HOLDERS, Wood, Fig. 1931.....	25
TEST TUBE RACK, Fig. 1930.....	65
UREOMETER, Doremus', with directions, Fig. 1936	1 00
URINE TEST CASES, Truax, Greene & Co's original, see page 975.....	6 00
“ “ Truax, Greene & Co's complete, see page 976.....	15 00
“ “ Bartley's.....	2 00
“ “ Roberts',.....	17 50
“ “ McWilliams', see page 974.....	4 00
“ “ For Sugar, Fehling's, Fig. 1928.....	1 00
URINOMETER, Ordinary, plain, Fig. 1941.....	40
“ “ Best enamel stem, with plain black letters and graduated test glass, Fig. 1939.....	75
“ “ Squibb's pattern (not made by Squibb), Fig. 1940.....	75
“ “ genuine.....	1 25
“ “ complete set.....	2 75
URINOMETER JAR, on foot, Fig. 1930 C.....	30
UROSCOPES, Zuelger's, Fig. 1942.....	1 25



PHYSICAL DIAGNOSIS—URINARY.

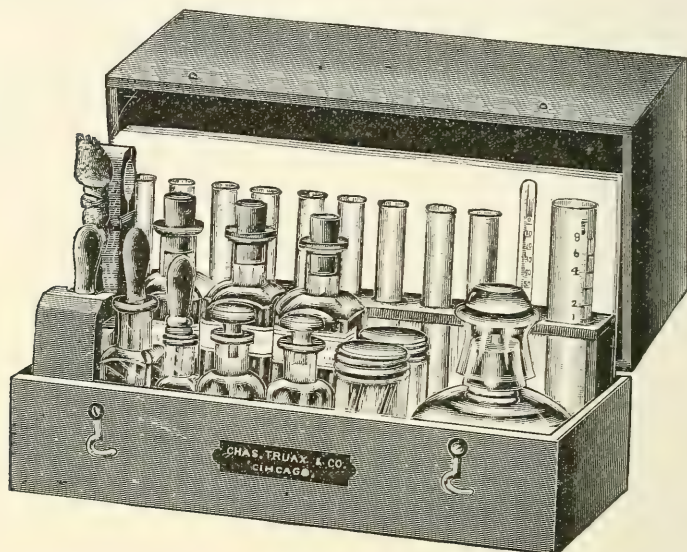


Fig. 1925. PROF. S. A. McWILLIAMS' URINE TEST CASE.

Price.....\$4 00

This case contains:

- | | |
|---|---|
| 1 3 oz. lamp with wick and alcohol. | 1 bottle of cupric sulphate solution for Fehling's test (the solution keeps best in separate bottles—mix in equal quantities in test tube when used). |
| 1 good urinometer. | 1 bottle for bi-chloride water, into which place nipple pipette after using with nitric acid. |
| 1 urinometer jar with lip and graduated. Size $5\frac{1}{2} \times 1\frac{1}{8}$ inches. | 1 bottle for bi-chloride water, into which place long pipette after using with urine, until ready to clean. |
| 10 test tubes, size $5\frac{1}{2} \times \frac{7}{16}$ inches. | 1 strip of paper, marked 1, 2, 3, etc., in order to facilitate the record of persons' urine when allowed to stand in tubes, as, No. 2, Mr. Jones. |
| 1 test tube holder. | 1 tablet of paper, $9\frac{1}{4} \times 5\frac{1}{4}$ inches by $\frac{1}{4}$ inch thick, for taking notes of examinations. |
| 1 stick wrapped with cotton, for cleaning tubes. | 1 urinary analysis guide book. |
| 1 fine pointed nipple pipette for dropping nitric acid into test tubes when examining for albumen. | 1 glass stirring rod. |
| 1 fine-pointed cubic centimeter pipette, longer than above, to suck up urine for sugar examination. | 1 lead pencil with eraser. |
| 1 bottle nitric acid (this should not be kept in the box as the fumes will spoil contents). | 12 filter papers. |
| 1 bottle with funnel for filtering cloudy urine. | |
| 1 bottle of sodio-potassic solution for Fehling's test. | |
| 1 jar of litmus paper—red and blue. | |
| 1 jar of matches. | |

This case presents a good combination in consideration of the price. Customers ordering it will be agreeably surprised at its convenience in making ordinary examinations.

CHAS. TRUAX & CO. GREENE & CO.

PHYSICAL DIAGNOSIS—URINARY.

TRUAX, GREENE & CO'S URINE TEST CASE.

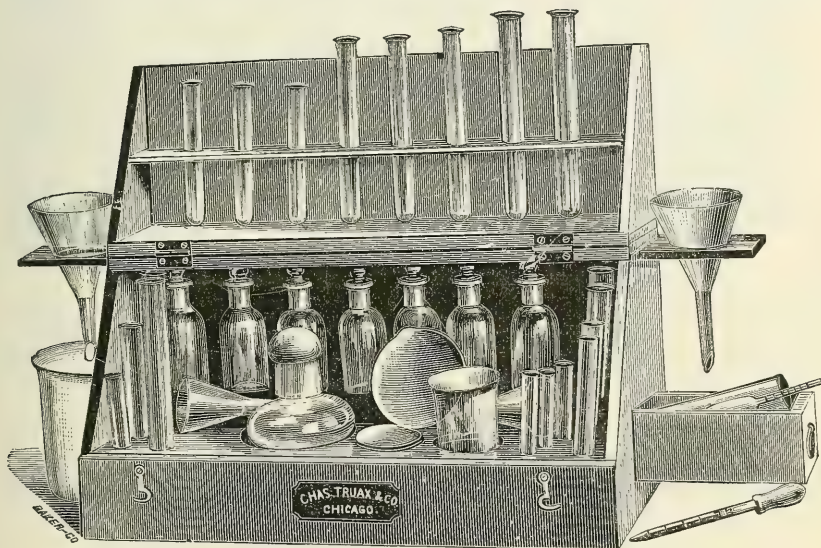


Fig. 1926. Truax, Greene & Co's Original Urine Test Case.

Price of case, with bottles all filled, net.....\$6 00

This case is made of hardwood, finely polished, and is constructed on a new principle which possesses many advantages. The upper part, which forms the test tube rack when in use, can be closed down and fastened; the hollow slats holding the funnels slide into the case; the drawer can be returned to its socket, thus forming a neat, compact box, that guards its contents from breakage and protects them from the injurious effects of dust, light and air, so that the contents may be kept clean and always ready for use. It contains eight re-agent bottles, two glass funnels, alcohol lamp, two beakers, porcelain evaporating dish, two small glass evaporating dishes, fourteen test tubes (assorted sizes), test tube holder, urinometer, graduated pipette, filter, litmus paper and one book on Urinary Analysis. Two of the re-agent bottles contain the two solutions now used in making Fehling's Test; one a solution of Sodio-Potassic Tartrate, the other a solution of Cupric Sulphate, both so adjusted that, with the directions that accompany the case, a physician may easily make both a qualitative and a quantitative analysis for glucose, thus enabling the practitioner not only to detect sugar in suspected cases, but to make comparative tests, from time to time, in known cases of diabetes. They are always ready for use, and will keep for any length of time.



PHYSICAL DIAGNOSIS—URINARY.

TRUAX, GREENE & CO'S IMPROVED URINE TEST CASE.

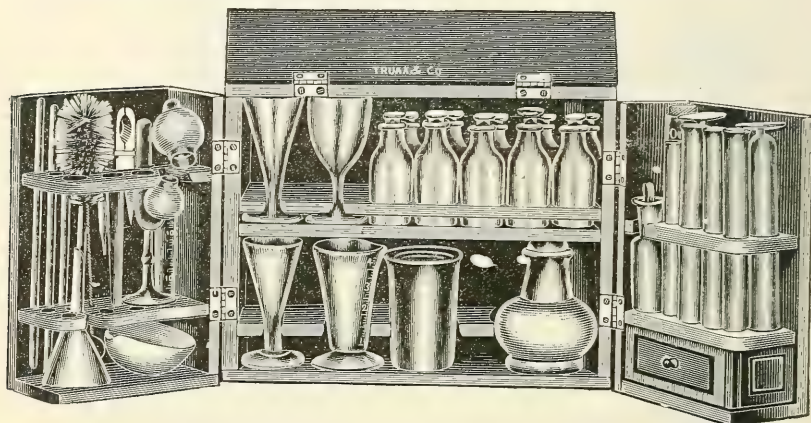


Fig. 1927. Truax, Greene & Co's Improved Urine Test Case, \$15.00.

This case contains:

- 1 Einhorn's saccharometer, with directions.
- 1 ureometer, with directions.
- 1 Esbach's albuminometer, with directions.
- 1 thermometer (not self-registering).
- 1 best urinometer, with graduated jar.
- 2 conical test glasses.
- 1 wine Collamore glass.
- 3 stirring rods.
- 1 dozen test tubes.
- 2 test tubes on foot.
- 1 test tube holder; 1 test tube swab.
- 1 set beakers, 2 to 6 ounces.
- 1 graduate, 1 oz.
- 1 drop bottle.
- 1 pair brass forceps.
- 1 glass funnel.
- 1 alcohol lamp.
- 1 porcelain evaporating dish.
- 3 small glass evaporating dishes.
- 1 folding wire tripod.
- 1 graduated pipette.
- 8 re-agent bottles (7 of them filled).
- 2 wide mouth glass stoppered bottles.
- 2 small glass stoppered vials.
- 6 filter papers.
- 1 book red litmus paper, and 1 book blue litmus paper. 1 book on urinary analysis.

This case is very compact and furnishes a complete assortment of appliances for urinary analysis as now used by most scientists in this country and in Europe. The new patterns of albuminometers, ureometers and saccharometers will, we think, find a place as standard instruments beside the urinometer and thermometer. The cases are made of hardwood, well polished, and, whether closed or open, present a handsome appearance. Customers ordering this case will get only the best of apparatus, each article being of extra good quality.

CHAS. TRUAX & CO. GREENE & CO.

PHYSICAL DIAGNOSIS—URINARY.



Fig. 1928. Truax, Greene & Co's Fehling's Test Package, \$1.00.

This package marks a new era in the history of Fehling's Test, and presents the formula devised by Dr. Squibb, in a neat compact case. With it the physician may make a qualitative analysis, positive in its results, and a quantitative analysis, approximate enough to serve both as a basis for treatment and as a comparative analysis from time to time.

One bottle contains a solution of Sodio Potassic Tartrate, the other a solution of Cupric Sulphate, which, when united in equal proportions, form Fehling's Test.

PRICE.

Complete, with graduated pipette, test tubes and litmus paper..... \$1 00

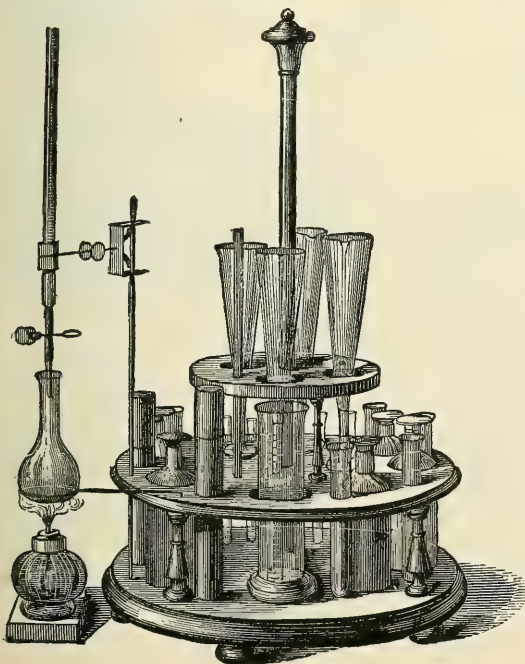
ROBERTS' URINE TEST APPARATUS.

Consisting of:

- 1 set Neubaur's urinometers.
- 2 test glasses for same.
- 4 urine glasses.
- 6 test tubes.
- 1 alcohol lamp.
- 5 bottles filled with pure reagents.
- 1 burette with holder.
- 3 pipettes.
- 3 stirring rods.
- 1 graduate.
- 1 flask with ring support.
- 1 stand as shown in illustration.

PRICE.

Complete.....\$17 50



CHAS. TRUAX GREENE & CO.

PHYSICAL DIAGNOSIS.

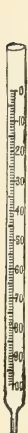


Fig. 1930A.

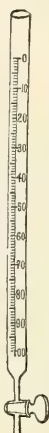


Fig. 1930B. Burettes. See page 973.



Fig. 1930C.

Urinometer Jar on foot, 30c. See page 973

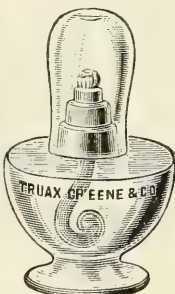


Fig. 1930 D.
Alcohol Lamp, 25c.
to 35 c.
See page 973.



Fig. 1930 E.
Chemical Flasks.
See page 973

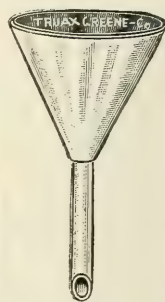


Fig. 1930 F.
Glass Funnels.
See page 973.

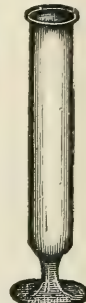


Fig. 1930 G.
See page 973.

Test Tube on foot, 10c.

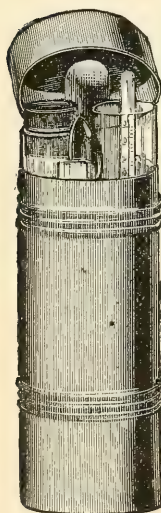


Fig. 1934. The Improved Bartley Pocket Urine Test Case, with small alcohol lamp fitted in cover, \$2.00.

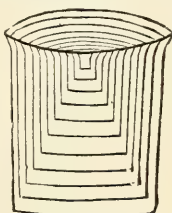


Fig. 1932.
Beakers. For prices
see page 973.



Fig. 1932 A.
Bunsen Burners, 50c.
See page 973.



Fig. 1932 B.
Acid Bottle,
50c.
See page 973.



Fig. 1932 C.

Evaporating Dishes, for prices,
See page 973.

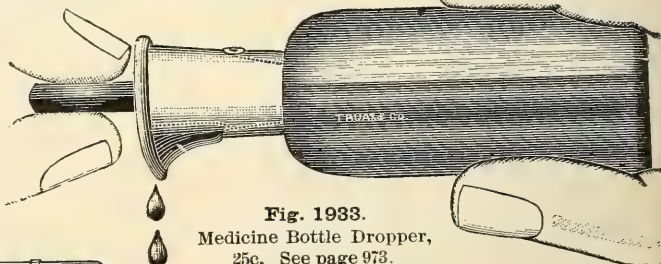


Fig. 1933.
Medicine Bottle Dropper,
25c. See page 973.



Fig. 1931. Test Tube Holder, 25c. See page 973.



Fig. 1933A. Straight Medicine Droppers, doz., 35c.
See page 973.



Fig. 1933 B. Bent Medicine Droppers, doz., 35c.
See page 973.

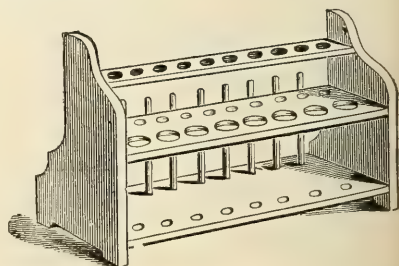


Fig. 1930. Test Tube Rack, 65c. See p. 973.

HAS TRUAX & CO. GREENE & CO.

PHYSICAL DIAGNOSIS—URINARY.



Fig. 1935 A.
Conical Test
Glass, 25c.
See page 973.

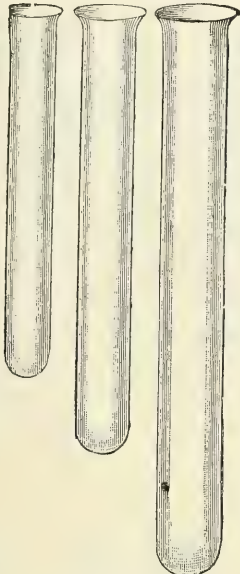


Fig. 1935.
Test Tubes, 3 to 6 inch.
See page 973.



Fig. 1935 B. Graduated Test Tube, 40c. See page 973.



Fig. 1938. Esbach's Albuminometer, in box, with directions, \$1.00

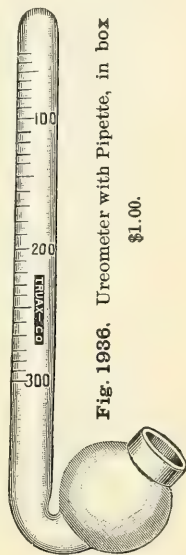


Fig. 1936. Ureometer with Pipette, in box
\$1.00.

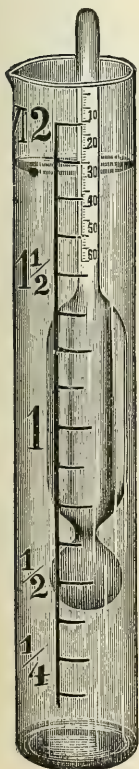


Fig. 1939. Best Urinometer, 75c. See page 973.

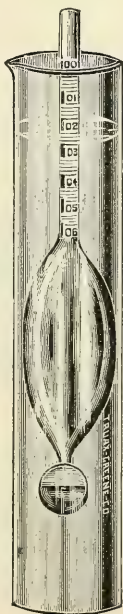


Fig. 1940. Squibbs' Pattern Urinometer, 75c. See page 973.



Fig. 1941. Plain Urinometer, 40c. See page 973.



Fig. 1942. Zuegler's Uroscop, \$1.25. See page 973.



Fig. 1935 C. Graduated Pipette, 25c. See page 973.

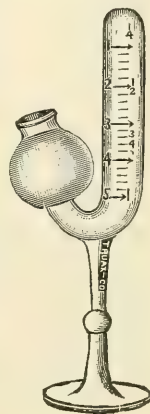


Fig. 1937. Einhorn's Saccharometer, with directions,
\$1.00. (Two Saccharometers and Pipette, in box, \$2.00.)

HAS TRUAX GREENE & CO.

CUPPING APPLIANCES.

CUPPING APPLIANCES.

Arm, Junod's, fine nickel plated, Fig. 1953.....	\$15 00
Boot, " " " " Fig. 1954.....	18 00
Breast Developers, Fig. 1963.....	2 00
Connecting Rubbers for Arms and Boots, 3x4 in., 50c; 4x4 in., 60c; 5x5 in., 75c; 5x6 in., 90c; 6x7 in., \$1.00; 6x8 in., \$1.25; 6x9 in.....	1 50
Cupping Cases, Fig 1965.....	5 50
Mizpah, see page 982; per set.....	1 25
Cupping Cups, glass, plain, Fig. 1961.....	10
" " " " all rubber, "American," Fig. 1951 A.....	75
" " " " "German," Fig. 1960.....	60
" " " " rubber and glass, Fig. 1962.....	50
" " " " Parker's with valve, No. 1, Fig. 1952.....	2 00
" " " " " " " " No. 2, " ".....	2 25
" " " " " " " " No. 3, " ".....	2 50
" " " " " " " " No. 4, " ".....	3 00
(If without valves 50c., less.)	
" " " " connecting elbows, Fig. 1952, extra.....	75
" " " " Thomas' dry, hard rubber, Fig. 1964 B.....	1 00
Cupping Pumps, see Allen's Pump, page 993.	
" " " " Parker's Fig. 1950 A.....	8 00
" " " " Lever, Fig. 1951.....	12 50
Lances, Spring, best, Fig. 1957.....	1 50
" " " " good quality, Fig. 1957 A.....	1 00
" " " " ordinary, Fig. 1957 B.....	75
Leeches, Reece's Artificial, Fig. 1964 A.....	3 00
" " " " Flood's, plain glass, Fig. 1949.....	\$0 50
" " " " Heurteloup's best, in case.....	5 50
" " " " " " plain, Fig. 1964 C.....	3 50
" " " " Smith's.....	3 50
Penis Congestors, Fig. 1963 A.....	2 00
Scarificators, best 8-blade.....	2 75
" " " " 12-blade, Fig. 1958.....	3 50
" " " " 16-blade.....	4 00



Fig. 1950 A.
Parker's Cupping
Pump, \$8.00.

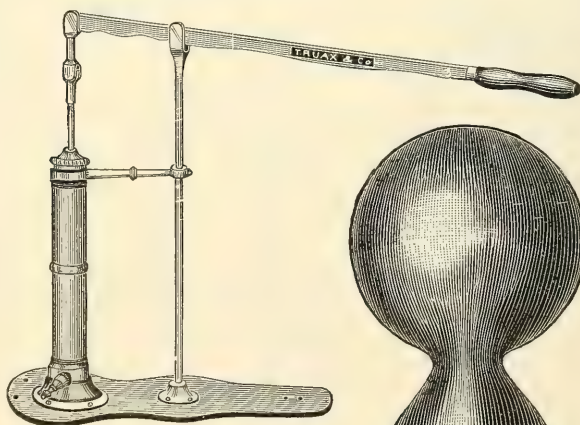


Fig. 1951. Lever Cupping Pump,
\$12.50.

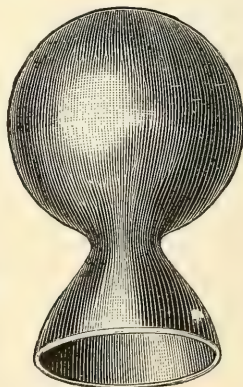


Fig. 1951 A. American all
Rubber Cupper,
75c.

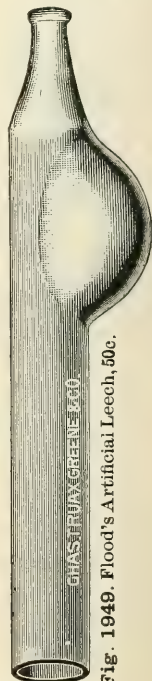


Fig. 1949. Flood's Artificial Leech, 50c.

CHAS. TRUAX & CO. GREENE

CUPPING APPLIANCES.

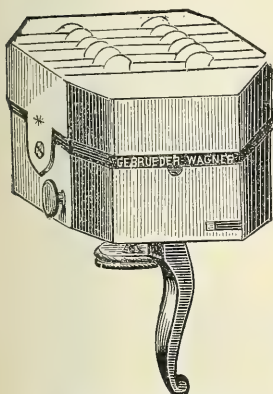


Fig. 1958. 12-Blade Scarificator, \$3.50. See page 980.

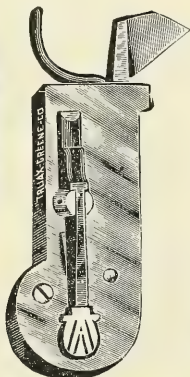


Fig. 1957. Best Spring Lance, \$1.50. See page 980.

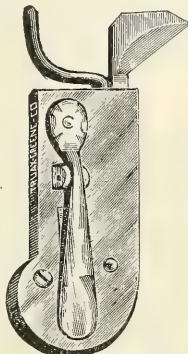


Fig. 1957 A. Medium Quality Spring Lance, \$1.00. See page 980.

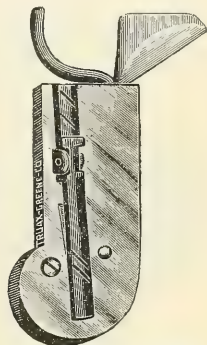


Fig. 1957 B. Ordinary Spring Lance, 75c. See page 980.

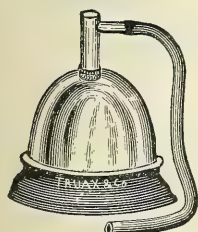


Fig. 1952. Parker's Cups, 4 sizes. For prices see page 980.

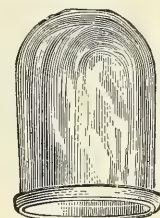
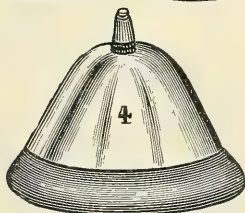


Fig. 1961. Glass Cupper, 10c. See page 980.

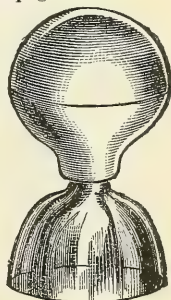


Fig. 1962. Rubber and Glass Cupper, 50c. See page 980.

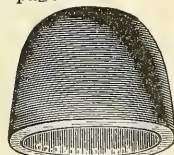


Fig. 1960. German all Rubber Cupper, 60c. See page 980.

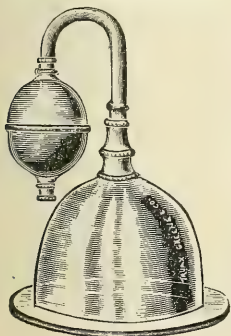


Fig. 1963. Breast Developer, \$2.00. See page 980.

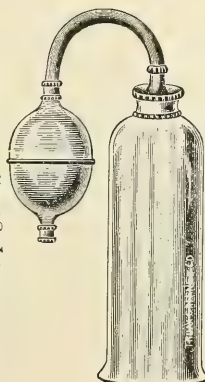


Fig. 1963 A. Penis Congestor, \$2.00. See page 980.



Fig. 1953. Junod's Arm, \$15.00. See page 980.

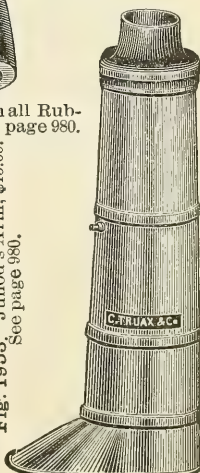


Fig. 1954. Junod's Boot, \$18.00. See page 980.

CHAS. TRUAX & CO. GREENE & CO.

CUPPING APPLIANCES.

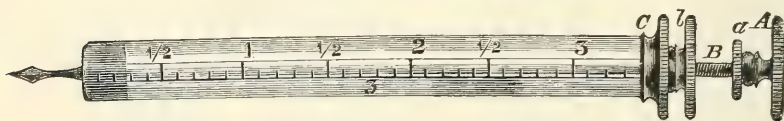


Fig. 1964 A. Reece's Artificial Leech, \$3.00. See page 980.

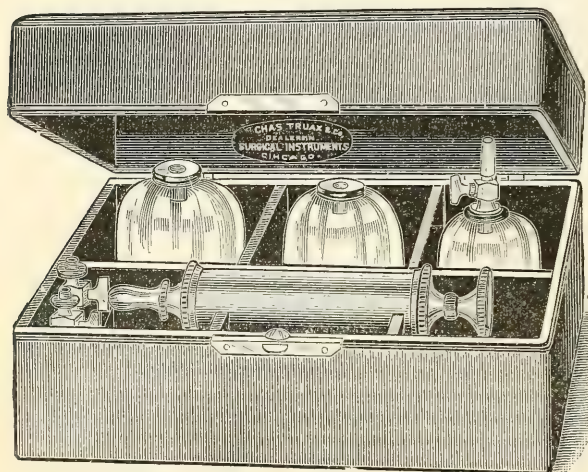


Fig. 1965. Cupping Case, \$5.50. See page 980.

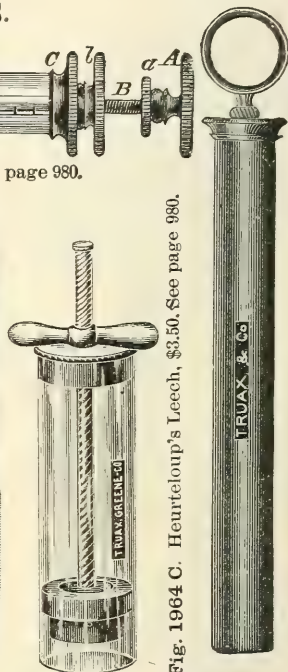
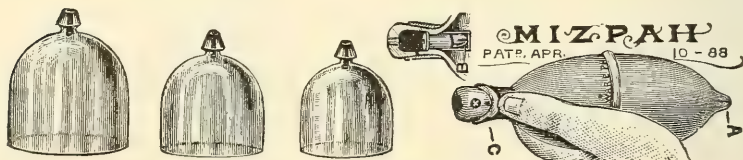


Fig. 1964 B. Thomas' Dry Cupper, \$1.00. See page 980.

Fig. 1964 C. Heurteloup's Leech, \$3.50. See page 980.

"MIZPAH" CUPPING SET.



THREE SIZES OF GLASSES

NO MORE USE FOR LEECHES because the "MIZPAH" CUPPING PUMP does the work **BETTER**, is **CLEANER** and is **ALWAYS READY FOR USE**, and will **LET GO WHEN YOU WANT IT TO** and the suction can be made **CONTINUOUS** for **ANY LENGTH OF TIME**, and can be made as **STRONG** or **MILD** as you may desire, (Leeches will not take hold for several hours after having been used, and will not always let go when you want them to).

Explanation.—The "MIZPAH" bulb, has three valves, viz; **A**, **B** and **C**, and are useful as follows: The valve **A** will let the air pass out of, but not into the bulb, the valve **B** will let the air pass from the glass into the bulb, but not from the bulb into the glass. The valve **C** is an opening in the neck of the bulb, covered with a band, and admits air into the glass when needed, to make the suction easy, or to detach the Pump from the body.

DIRECTIONS FOR USING.—Connect the bulb to the particular glass you want to use by pushing the point on the glass as far into the neck of the bulb as it will go, then place the pump on the part of the body to be cupped and hold it gently in place and compress the bulb; the air will pass out at **A**, let the bulb expand, and air is drawn from the glass, a vacuum created, and the blood drawn easily. If you desire a stronger suction, press the bulb again; if you find the suction too strong, roll back the valve band with the thumb at **C**, and admit enough air to ease the suction. If you wish to detach the pump, roll the valve band back at **C**, and hold it back a moment and it will let go its hold entirely without pain. There is a small knob on the neck of the bulb to show where to roll the valve band back.

The valve **B** is inside the **NECK** of the bulb. For prices see page 980.

WALTER F. WARE, 70 N. Third St., Philadelphia.



CHIROPODISTS' INSTRUMENTS.

CHIROPODISTS' INSTRUMENTS.

Chisel, plain.....	\$0 50
Cutters, nail, ordinary.....	1 00
“ “ best quality, Fig. 1968.....	2 00
File, manicure, large and finely finished.....	1 00
“ and knife, plain steel, Fig. 1974.....	25
Forceps, nail extracting, Post's, Fig. 2300.....	2 00
Knives, corn, Fig. 1967.....	90
“ “ Figs. 1975, 1977, 1980, 1982, or 1983.....	each 75
Spring for ingrowing toe nails, steel, Fig. 1971.....	25
“ “ “ Stedman's, Fig. 1969.....	pair 25

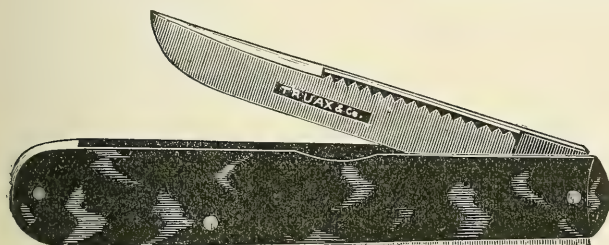


Fig. 1967. Pocket Corn Knife, 90c.

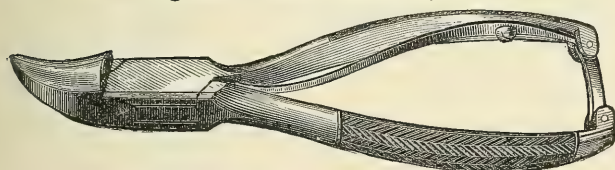


Fig. 1968. Nail Cutters, best quality, \$2.00.



Fig. 1972. Manicure File, feruled white handle, \$1.00.



Fig. 1975. Crescent Corn Knife, 75c.



Fig. 1977. Rogers' Corn Knife, 75c.

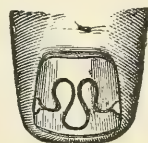


Fig. 1969. Stedman's Toe Nail Springs, pair 25c.

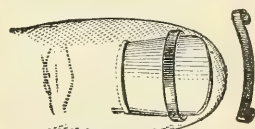


Fig. 1971. Steel Toe Nail Spring, 25c.



Fig. 1974. Manicure Knife and File, all steel, 25c.



Fig. 1980. Rogers' Corn Knife, 75c.



Fig. 1982. Rogers' Cuticle Knife, 75c.



Fig. 1983. Rogers' Corn Knife, 75c.



DERMATOLOGICAL.

DERMATOLOGICAL.

Baumscheidt's Lebenswecker, for counter irritation, ebony, Fig. 1985 C.	\$1 85
“ oil, genuine.....	1 00
Comedone Extractor, Piffard's, Fig. 1988 B.....	50
“ and Acne Lance, Piffard's, Fig. 1988 A.....	1 75
“ Keys' punch, 1985 E.....	1 25
“ Una's, Fig. 1987 C.....	75
“ Zeissler's, Fig. 1987 D.....	60
Curette, Fox's, Fig. 1986 C.....	1 35
“ Piffard's.....	1 75
“ Plain Dermic.....	1 00
“ Wolff's, 1986 B.....	1 35
Cutisector, Chotzen's, Fig. 1991 B.....	4 25
“ Fox's.....	1 30
“ Piffard's, Fig. 1991.....	3 75
Forceps, Depilating, Bergh's, Fig. 1987 B.....	1 00
“ Plain, (Cilia) Fig. 1987 A.....	60
“ Depilating, Henry's, Fig. 1986 D.....	1 75
“ Epilating, Piffard's, Fig. 1985.....	1 25
“ Grappling, Piffard's, Fig. 1985 A.....	2 00
Needle, Millium, Piffard's.....	1 00
“ Nævus.....	55
Pleximeter, Hess', for observing the skin under pressure, Fig. 1985 D..	40
Punch, for transplanting, Carmalt's.....	4 50
Scissors, skin grafting, Fig. 1991 A.....	7 50
Spoon, Piffard's.....	1 75
Spud, scarifying, Piffard's, Fig. 1985 B.....	1 00
Knife, McMurray's, Fig. 1986 A.....	6 00
Lance, Acne, Fig. 1988 A.....	1 00
“ Acne, and Curette, Fox's, 1988 C.....	2 25
Tattooing Instrument, Piffard's.....	3 40



Fig. 1985. Piffard's Epilating Forceps, \$1.25.

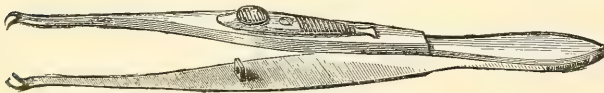


Fig. 1985 A. Piffard's Grappling Forceps, \$2.00.



Fig. 1985 B. Piffard's Scarifying Spud, \$1.00.



Fig. 1985 C. Baumscheidt's Lebenswecker, \$1.85.



Fig. 1985 D. Hess' Glass Pleximeter, etc.



Fig. 1985 E. Keys' Comedone Punch, \$1.25.

HAS TRUAX & GREENE & CO.

DERMATOLOGICAL.



Fig. 1987 D. Zeissler's Comedone Extractor, 60c. See page 984.

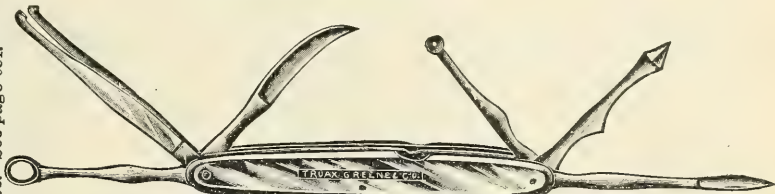


Fig. 1986 A. McMurtray's Dermic Knife, \$6.00 See page 984.



Fig. 1987 C. Una's Comedone Extractor, 75c. See page 984.

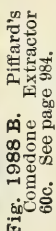


Fig. 1988 B. Piffard's Comedone Extractor 60c. See page 984.

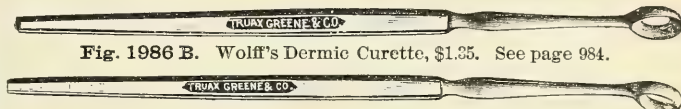


Fig. 1986 B. Wolff's Dermic Curette, \$1.35. See page 984.



Fig. 1986 C. Fox's Dermic Curette, \$1.35. See page 984.

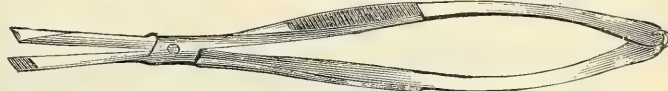


Fig. 1986 D. Henry's Depilating Forcep, \$1.75. See page 984.



Fig. 1988 A. Piffard's Comedone Extractor and Acne Lance, \$1.75.

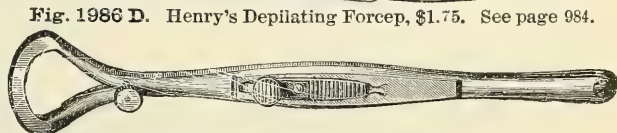


Fig. 1991. Piffard's Cutisector, \$3.75. See page 984.

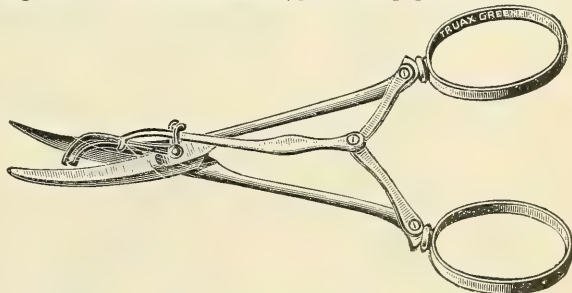


Fig. 1991 A. Skin Grafting Scissors, \$7.50. See page 984.



Fig. 1987 A. Cilia Forceps, 60c See page 984.



Fig. 1987 B. Bergh's Depilating Forceps, \$1.00. See page 984.

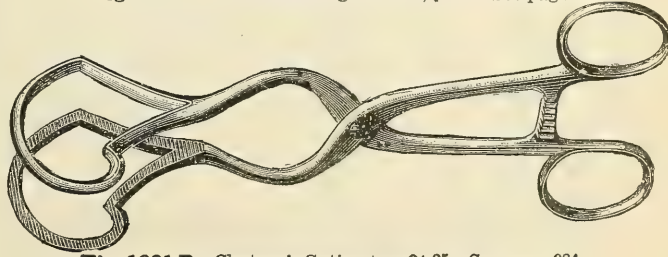


Fig. 1991 B. Chotzen's Cutisector, \$4.25. See page 984.



Fig. 1988 C. Fox's Acne Lance and Curette, \$2.00. See page 984.



ASPIRATORS.

ASPIRATOR, see Allen's Surgical Pump, page 994.

Dieulafoy's.....	\$25 00
Fitch's.....	2 50
Lentz & Son's, Fig. 1995.....	3 25
Peaslee's small, \$7.50; medium, \$9.00; large, Fig. 1996.....	10 00
ASPIRATOR AND INJECTOR, Potain's Fig. 1993.....	9 00
With stomach pump attachment, Fig. 1994.....	13 50
ASPIRATING BOTTLES, graduated.....	75
ASPIRATING NEEDLES, Nos. 1, 2 or 3, Fig. 1997.....	each 75
With stop-cock, plain.....	2 00
Fitch's Dome.....	2 00
“ “ with stop-cock.....	3 75
ASPIRATOR TROCARS, Fig. 1998.....	1 25
With stop-cock, Fig. 1999.....	2 75
ASPIRATING HYPODERMIC SYRINGES, see pages 954 and 955.....	
ASPIRATING STOP-COCKS.....	2 50
ASPIRATOR VALVES, for Potain's aspirator.....	each 25

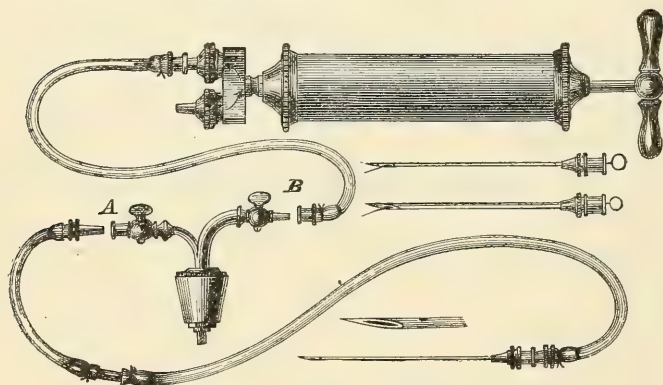


Fig. 1993. Potain's Aspirator, \$9 00.

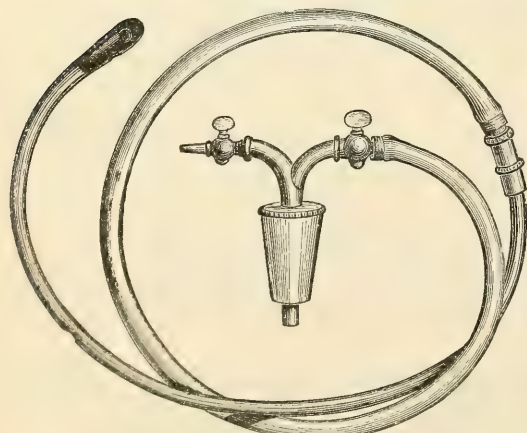


Fig. 1994. Stomach Pump Attachment for Potain's Aspirator. \$4 50.

This aspirator is supplied with three needles of different sizes, is nickel-plated and put up in a neat leather case. It has two automatic metal valves, one the reverse of the other which enables the operator to quickly change it from an exhaust to a force pump, thus converting it into an injector. The valves are brass, easily cleaned, and are not injured by

coming in contact with liquids, and as the fluid passes only through the needle, long pipe and stop-cock, the instrument is easily cleaned.

We employ a light metal valve, fitting a metallic seat, the two ground together so as to secure close contact. They are unchangeable in form, and cannot be injured by contact with fluids.

Fig. 1994 shows an attachment for evacuating the contents of the stomach by adaptation to the pump and valves which accompany the aspirator, a suitable stopper, cock, rubber hose, and stomach tube. The stopper is of form and size to fit almost any large bottle, jug, or demijohn, such as may be found in most houses. Price.....\$4 50



ASPIRATORS.

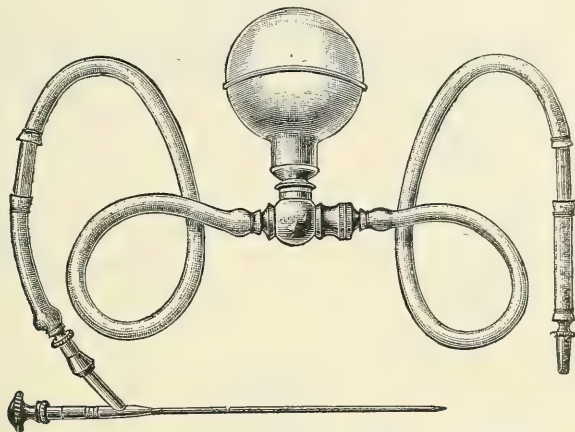


Fig. 1995. Lentz & Son's Aspirator, \$3.25. See page 986.

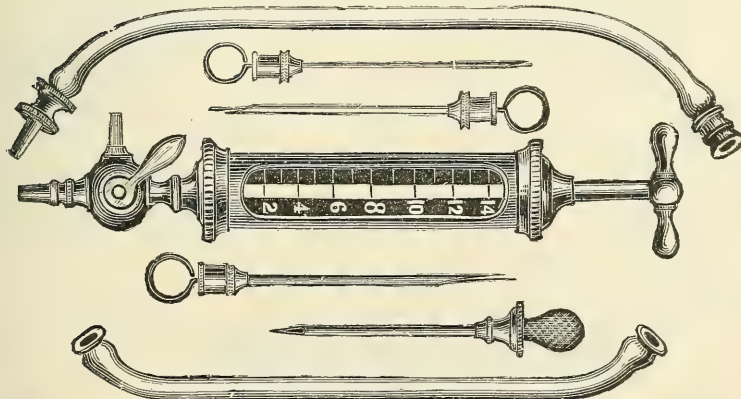


Fig. 1996. Peaslee's Aspirator (large), \$10.00. See page 986.

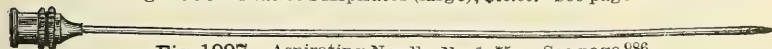


Fig. 1997. Aspirating Needle, No. 1, 75c. See page 986.

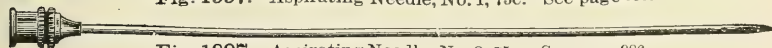


Fig. 1997. Aspirating Needle, No. 2, 75c. See page 986.

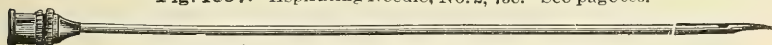


Fig. 1997. Aspirating Needle, No. 3, 75c. See page 986.

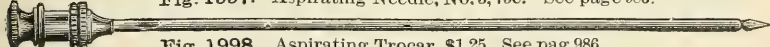


Fig. 1998. Aspirating Trocar, \$1.25 See pag 986.

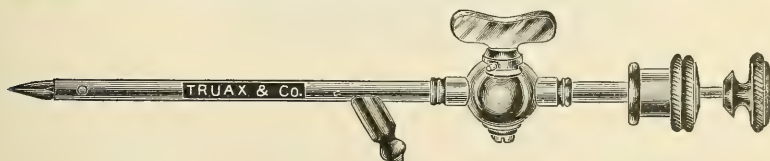


Fig. 1999. Aspirating Trocar, with Stop-Cock, \$2.75. See page 986.

HAS **TRUAX & GREENE** *& CO.*

THERMO-CAUTERIES.

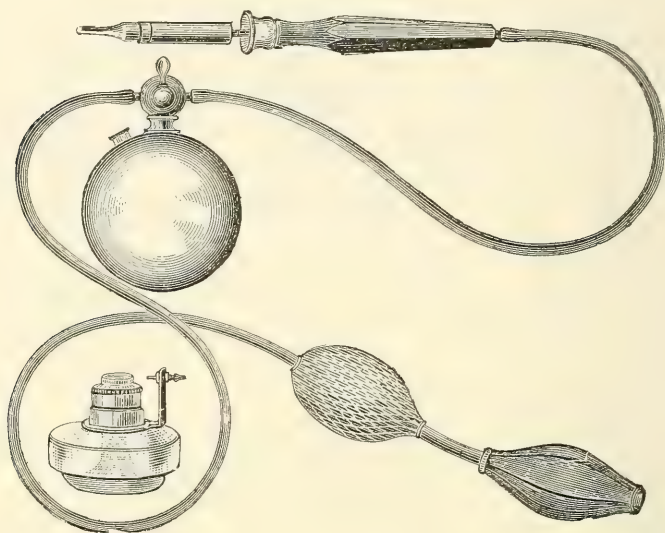


Fig. 2001. Paquelin's Thermo-Cautery, \$22.00. Extra knives, each.....\$10 00

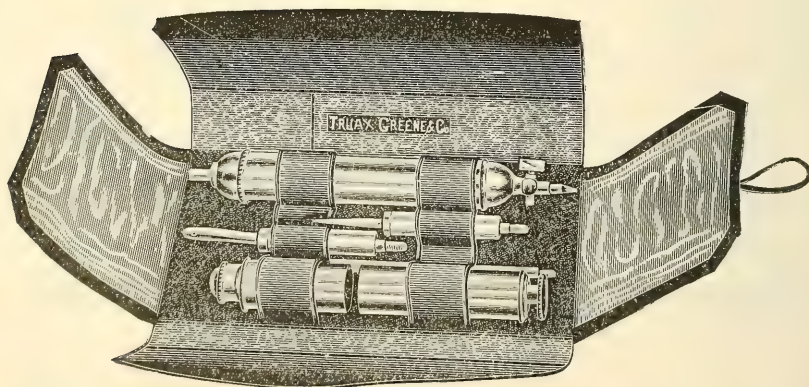


Fig. 2002. Pocket Thermo-Cautery, with double bulb.....\$16 50

This pocket size of the Paquelin Cautery, is equally as efficient as the large one. Its low price and convenience of carrying should render it a valuable modification.



THE TRUAX SURGICAL PUMP.

(THE IMPROVED ALLEN.)

BEWARE OF INFRINGEMENTS.

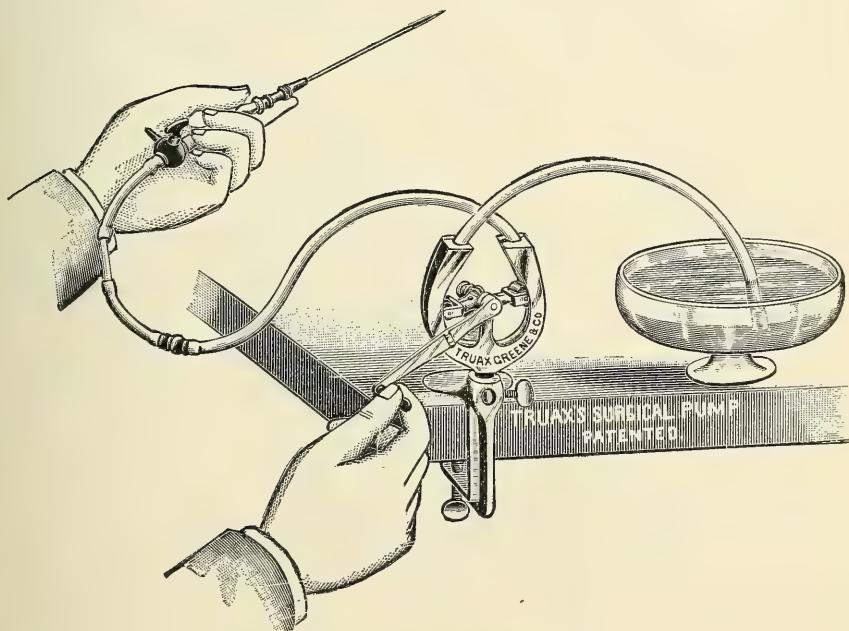


Fig. 1. Showing Aspirating Attachment.

This Surgical Pump possesses all the advantages of the original "Allen" Surgical Pump (of which we were the sole manufacturers), with none of its disadvantages. The improvements claimed for the new Pump are:

First. A system of double rollers, thus decreasing the pulsation of the fluid when used as a vacuum pump or aspirator.

Second. A smaller number of parts, with less liability to get out of order.

Third. A pressure device allowing any degree of compression on the tube, and admitting the use of any sized tube.



THE TRUAX SURGICAL PUMP.

Fourth. Compactness, giving as efficient service with a smaller instrument.

Fifth. Affording an easier method of changing tubes.

By means of suitable attachments it forms an Aspirator, Injector, Stomach Pump, Bladder Syringe, Cupping Pump, Dilator, Universal Syringe, Breast Pump, and Force and Vacuum Pump, all combined in one instrument (see outfit No. 11, Fig. 75).

With our improved attachments we claim for this pump:

First. The most powerful, rapid, safest and only aseptic aspirator in use.

Second. The only injector that can be used without admitting air with the fluid injected.

Third. The most effective stomach pump in the market.

Fourth. A safe bladder syringe that may be used with an ordinary catheter.

Fifth. A reliable cupping pump of great power.

Sixth. A dilator (uterine, rectal, vaginal, etc.) superior to any.

Seventh. A tamponning or plugging instrument for arresting hæmorrhage.

Eighth. A universal syringe without valves, giving a steady, uniform current.

Ninth. A breast pump that will always work.

Tenth. A vacuum pump capable of raising mercury in a vacuum to a height of twenty-eight inches.

Eleventh. A force pump that will force up (and sustain) a column of mercury to a height of twelve feet (equal to a column of water over one hundred and sixty feet in height).

(A pump and all the above-mentioned attachments can be purchased in one outfit. See Fig. 75.)

Twelfth. The only perfect blood transfuser yet devised.

Thirteenth. An improved instrument for rectal injection.

Fourteenth. The cleanest and most effective embalming syringe made.

Fifteenth. A douche having a continuous current that can be made slow or fast, as desired.

Sixteenth. A superior saliva evacuator for dental use.

It is at the same time both a force and a vacuum pump, depending only on the direction in which the crank is turned, possesses an instantly reversible current, is without valves or stop-cocks, and so arranged that the same tube need not be used for a second operation, as the tube may be easily changed in a few seconds with no further expense than the cost of a new one.

While the Truax Surgical Pump may be easily manipulated by being held in the hand, or attached by means of the clamp to a table, it can be worked to the best advantage by being fastened to the top of a chair-back or to one of its side rails. When attached to a chair, the chair may be moved about as occasion may require, placed against a bed or sofa, or in close proximity to the patient, wherever situated. The clamp being provided with two faces, admits of its being attached in almost any position.

A professor of surgery in one of the leading medical colleges in New York, when showing this pump to his class recently, said: "The chief merit of this instrument lies in the fact that it so completely fulfills the requirements of modern aseptic surgery."

The following is copied from the official report of the Army Medical Delegate from England to the Ninth International Medical Congress, held at Washington, D. C., September 3, 1887:



THE TRUAX SURGICAL PUMP.

TRUAX'-ALLEN SURGICAL PUMP.

"One of the best things exhibited at the American Medical Congress was this invention.

"When using the apparatus it is only necessary to recollect that it is at the same time both a force and a vacuum pump—the force pump being that end towards which the crank is turned, the opposite being the vacuum. It is easy to see that, by the addition of a few details, the pump, *the action of which can be at once reversed or made to move either way with equal facility*, can be applied to numerous purposes. For instance, it can be used with trocars and canulas in the surgical treatment of

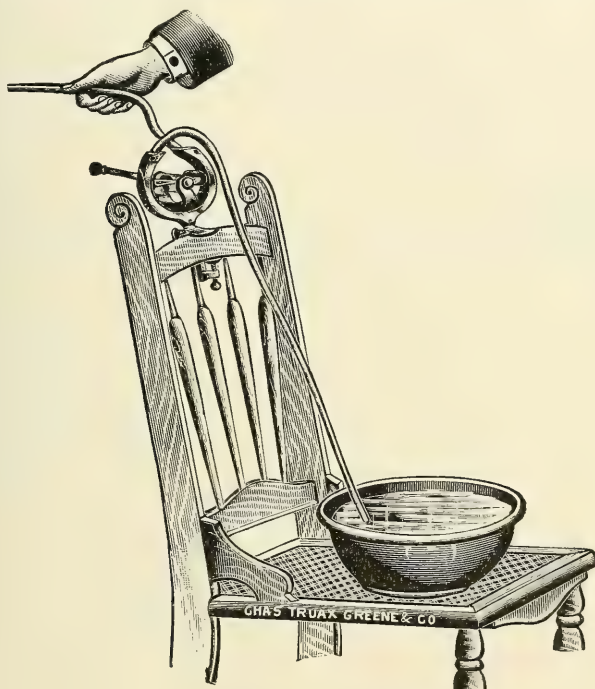


Fig. 2. Showing the Pump attached to a Chair.

empyema, in dilating the urethra or uterus, in transfusion of blood, in cupping, as a lithotripsy evacuator, or as a stomach pump or enema syringe, and so on. It is difficult to describe without the aid of plates, but the principle of its action seems so simple and certain that it cannot fail to attain the various objects to which it can be applied.

"It will be seen that as this very useful and ingenious invention is capable of fulfilling so many purposes, for each of which at the present time a separate instrument has to be provided, it should prove an eminently useful appliance for army purposes; indeed, speaking from my own personal knowledge of it, I do not see what further provision a surgeon would require to meet all the ordinary, and some even of



THE TRUAX SURGICAL PUMP.

the extraordinary, requirements of practice. The only improvement that I could suggest would be a more durable tubing, and some device or method by which one and the same connector could be used for a variety of purposes*—indeed, for all the purposes to which the pump can be applied. Sir Thos. Longmore, C. B., and many others to whom I have shown it, appreciate its merits, and I understand that Mr. Lawson Tait has sent for one as he considers it well adapted to his requirements in abdominal surgery.

(Signed)

"J. A. MARTSON,

"Dept'y Surg. General (British Army)."

"On August 10th, at the Obstetrical Section, a demonstration of the uses of the Truax'-Allen Surgical Pump was given by Mr. Charles Truax, 75 and 77 Wabash Avenue, Chicago, who briefly but clearly showed how, by the use of his improved attachments, this simple instrument could be used successfully for a great many different purposes. He first attached glass coppers to it, showing how it acted as a cupping pump. Then, by a universal connector, he converted it into an aspirator, with a reversible current, thus admitting of its being changed to an injector without either disconnecting any of its fittings, or withdrawing the needle. Easily made changes converted the same pump into a stomach pump, bladder washer, dilator, syringe, blood transfuser, feeder for insane patients, etc. Many of his demonstrations, elicited considerable applause."—*The British Medical Journal*, August 25, 1888.

This device consists of a horse-shoe shaped part, on the inner surface of which is clamped a piece of rubber tubing, so adjusted as to describe the form of a letter "U." Passing through the case is a shaft moved by a suitable crank, and to which is attached a rotating arbor carrying two rollers. These rollers are connected through the center of the arbor by a double threaded rod, moved by a milled edged wheel. By turning this small wheel, any degree of pressure desired can be produced upon the rubber tube. By properly adjusting the screws, each revolution of the crank will displace twice as much fluid as is contained in that portion of the rubber tubing forming the half loop. As the rollers in passing around the circle rest on the tubing, completely closing it at some one point, there is no necessity for valves. If one end of the tubing be attached to a vacuum bottle and the crank turned so as to force the air in the tubing in the opposite direction, a powerful vacuum will soon be formed; or if the same end be attached to an air receiver and the crank turned toward it, a high pressure of condensed air will be obtained. The apparatus is adapted for pumping both gases and liquids, and is either a force or vacuum pump, depending only on the direction in which the crank is turned. It has no valves or stop-cocks, and the current may be instantly reversed. It has sufficient power to force a column of water to a height of one hundred and sixty feet, maintaining it at that height, and the smallest size will easily pump one quart of liquid per minute.

There are no delicate or complicated parts to get out of order. The rubber tubing will not wear out, and should it deteriorate after a few years' use, it may be replaced at the cost of a few cents. Our best outfits are supplied with duplicate tubes, so that the surgeon may be provided with one for septic and another for aseptic use.

* These wants were supplied before the above article was printed.—CHAS. TRUAX, GREENE & CO.

HAS TRUAX & CO. GREENE

THE TRUAX SURGICAL PUMP.

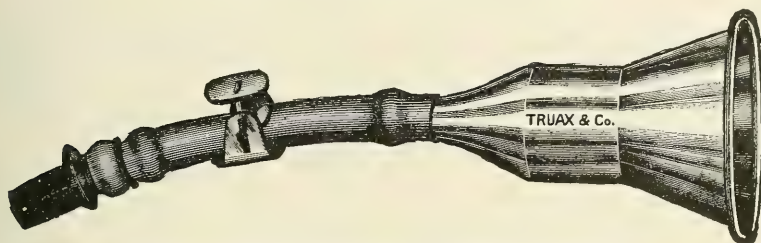


Fig. 6. Showing Cupper with Connector and Cut-Off.

CUPPING.

In order to demonstrate its suction power, the cupper, connector and cut-off may be attached, and the cupper placed against the hand, temple or other portion of the body. Then by turning the small wheel, pressure may be exerted upon the roller, the crank revolved, and a vacuum produced in the tube and glass cupper. This



Fig. 8. Uterine Cupper.

pressure is the same force used in aspirating, and in evacuating the contents of the stomach. It will collapse soft tubing, and will, if properly attached, raise mercury in a vacuum to a height of 28 inches. Each complete outfit is provided with a set of five cuppers, with connectors, so that several of them may be, if necessary, applied at the same time. In addition to this, there is in each outfit a uterine cupper suitable for cupping the cervix.

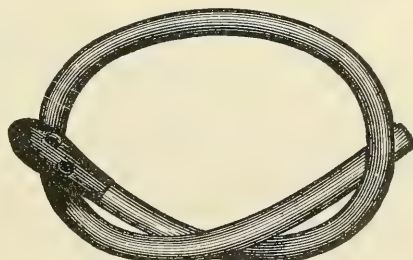


Fig. 9. Stomach Tube.

STOMACH PUMP.

It forms a stomach pump by simply connecting the stomach tube with the instrument. As such its advantages, are:

1st. That there is no loss of time in creating a vacuum or turning a stop-cock after each stroke of the piston, as is the case when an ordinary stomach pump is used.

2d. Its great power enables the operator to draw semi-solids and particles of undigested food through the openings.

3d. Its reversible current enables him, if these openings become clogged, to reverse the crank and free them.



THE TRUAX SURGICAL PUMP.

4th. It may be used for washing out the stomach, and diluting its contents by simply placing the free end of the instrument in a basin of water and reversing its current, thus filling up and evacuating the stomach as often as desired.

It may be used successfully in treating diseases of the stomach, and in all other work of this class.

ASPIRATOR.

To convert the Truax pump into an aspirator, it is only necessary to connect (Fig. 10) with rubber tubing the piece of small glass tubing, two-way stop-cock, and dome trocar, and attach them to the pump, when the instrument is ready for work.

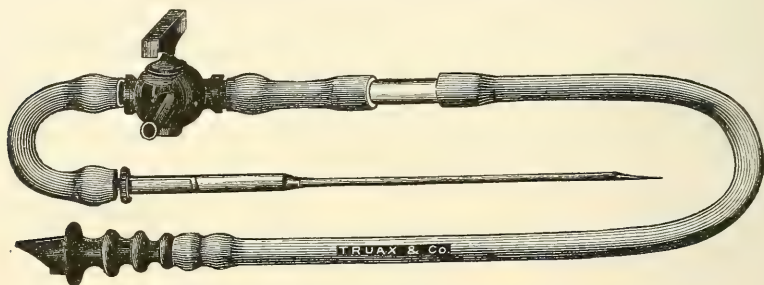


Fig. 10. Showing Aspirating Attachments.

The trocar (Fig. 13) differs from an ordinary aspirating needle in having a smooth ending canula, so arranged that, after the introduction of the needle into the cavity, the needle may be withdrawn.



Fig. 13. Emmett's Small Trocar.

The aspirators heretofore in the market either necessitate the use of a vacuum bottle, or require the turning of a stop-cock every time the cylinder is filled. The latter work slowly, have valves that are easily clogged, and are usually unsatisfactory. The former require the emptying of the bottle every time it is filled and the creating of a new vacuum, and, as they will not work at all without a vacuum, they require an air pump that will always be in perfect working order.



Fig. 15. Plain Aspirating Needles.

As the Truax Surgical pump possesses no piston (requiring frequent packing) valves or stop-cocks, and, as it is used without a vacuum bottle, both the time usually employed in producing the vacuum and in emptying the bottle is saved.



THE TRUAX SURGICAL PUMP.

Its advantages as an aspirator are :

First. Its great power enables the operator to use a smaller sized needle than he otherwise could.

Second. Its reversible current enables him, if the needle becomes clogged, to reverse its action, and force out the occluding substance.

Third. There is no loss of time in operating it, as there is no vacuum bottle to be exhausted. The instrument commences to work as soon as the crank is turned, and continues to do so without interruption.

Fourth. The amount of power exerted may be always the same, and is constantly under the control of the operator, and may be made weak or strong, as desired. In using an ordinary aspirator, a vacuum must first be created in the bottle ; as fast as it fills, the power decreases, and when the bottle is full, it must be disconnected, emptied, and a new vacuum created.

ASPIRATOR CHANGED TO AN INJECTOR.

If the operator desires to inject and wash out the cavity (while his assistant is still turning the crank and creating a vacuum), he has but to turn the stop-cock and close the opening to the needle; the free end of the tube may then be placed in the fluid to be injected, and the current reversed. This will force the air out at the side opening of the stop-cock, and permit the cleansing of the tube. If a quantity of the fluid be forced through this opening, and the current continued until it passes freely and without air bubbles, the stop-cock may then be turned as before, and the cavity injected, with a positive certainty that no air has been admitted. In many cases this is an important feature, and one that should not be under-estimated, for it can be accomplished with no other instrument ever before devised.

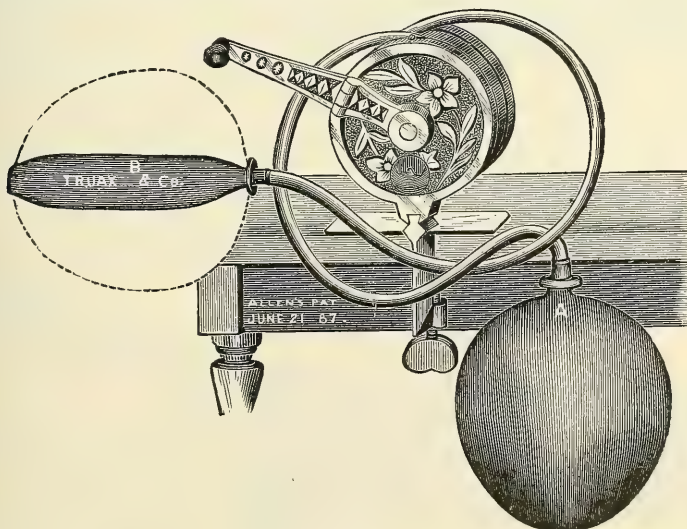


Fig. 18. Showing how the contents of one Tampon may be transferred to the other.

TAMPONNING AND PLUGGING.

By attaching one of the rubber bags, this instrument forms a tamponning or plugging outfit superior to any other in the market. As such it may be used for



THE TRUAX SURGICAL PUMP.

arresting hæmorrhage by the introduction of cold water, or for reducing inflammation by being filled with hot water. This supply of water may be introduced, evacuated, and again introduced as often as its temperature changes, remembering that the same number of revolutions that will expand the bag to a certain size before introduction, will accomplish the same result afterwards. If, however, the operator desires to avoid over-distention and accurately measure the amount of dilation produced, he has but to attach one of the rubber bags, and expand it to the size desired. Then attach to the other end of the instrument the bag which he desires to use in the operation, introduce it, reverse the current, and force the contents of the first one into the second, after the second one has been introduced. These bags may be introduced directly into the body of the uterus in many cases, and they may be used in the vagina, rectum, and other cavities of the body. Fig. 18 shows the pump with two tampons attached.

DILATOR.

This apparatus may be made available in dilating the cervix uteri, and with our improved dilator forms an effective, durable and economical instrument. It consists of a slightly curved tube having perforations near the center and ending in a small bell-shaped tip. Over this is stretched a rubber cover tightly fastened. This cover

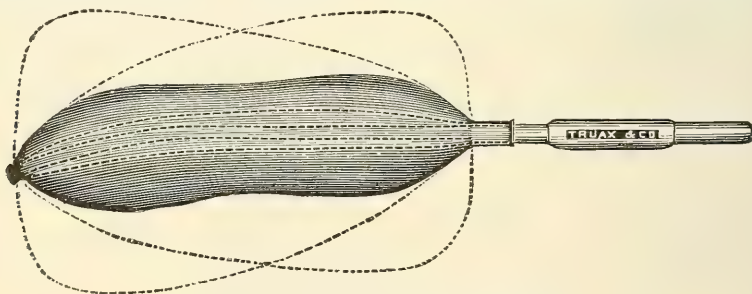


Fig. 20. Showing our System of Dilating.

can be expanded into a ball several inches in diameter, and is of sufficient strength to accomplish any work required.

These bags can be purchased from us at \$1.00 per dozen, and in an emergency the physician can use a good quality of finger cots, pieces of pure gum tubing, or the ordinary rubber balloon bags, such as are sold on the streets as toy balloons.

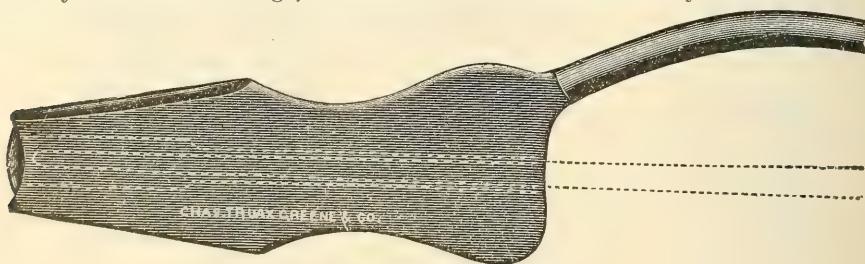


Fig. 21. Truax's Dilating Bags.

Three sizes.....each, \$1.00

This modification of the original Barnes bag consists of a fiddle-shaped soft rubber bag having an inner chamber into which may be inserted a slender stem or



THE TRUAX SURGICAL PUMP.

elevator. This serves to stiffen the bag for introduction. The outer or upper corners of the bag are tucked or folded in while the dilator is being inserted, thus admitting of its use in cases where the old-style bag could not be inserted.

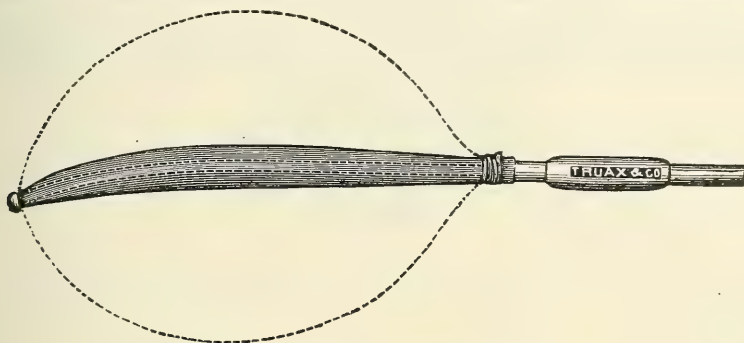


Fig. 22. Showing a Plain Rubber Dilator.

We manufacture an extra small sized dilator, for cases of stenosis, and are prepared to furnish special ones to order. Although we furnish two sizes of these silk sacks with each dilator, the physician will find it preferable to have them made at home from ordinary silk, thus meeting the wants of special cases. Fig. 20 shows a few of the shapes most commonly used in general work. Fig. 22 shows the form the tube will take if not enclosed in a cover, while Fig. 20 shows what may be accomplished with them. We also furnish to order extra small dilators, either curved or straight, to suit the wants of individual cases. These can be made to do service in the Urethra (see Fig. 24), Trachea, Oesophagus, Anterior or Posterior Nares, Rectum, and in fact in any natural or artificial cavity of the body. The dilating portion may be lessened or increased to suit the necessities of each case, so that the dilator

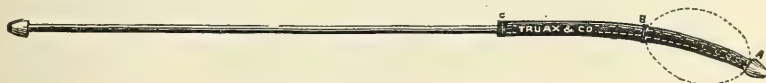


Fig. 24. Showing a Slender Dilator.

may be made to expand at its whole or a portion of its length. Dilators made in this manner may be used in many cases of stenosis, in replacing and retaining in position the turbinated bodies, and for use in cases of epistaxis.

BLADDER WASHER.

For washing out the bladder, it is only necessary to attach a web catheter of good quality, placing between the catheter and the pump a piece of soft pure gum tubing. The advantages of this instrument, are:

- 1st. The injection of fluid without the introduction of air.
- 2d. Accurate means of measuring the amount of fluid injected.
- 3d. The distending of the bladder, causing a complete irrigation.
- 4th. The withdrawing of the fluid without danger of injury to the mucous lining.
- 5th. The using of a catheter that may be either new and aseptic, or easily made aseptic. it is well known that a double channel catheter is usually the most



THE TRUAX SURGICAL PUMP.

uncleanly instrument in a physician's armamentarium, and when introduced, unless it be plugged or otherwise stopped up, only irrigates the portion of the bladder surrounding the eyes of the instrument.



Fig. 31. Rectal Injecting Tube.

This rectal pipe is made from a high grade of pure maroon rubber. It will be found useful in rectal injections.

BREAST PUMP.

As a breast pump it acts easily and perfectly, and as such possesses advantages over all ordinary instruments of this class.

The nine instruments, or sets of instruments, described in the foregoing pages: Cupper, Stomach Pump, Aspirator, Injector, Tamponning and Plugging Dilator, Bladder Washer, Syringe and Douche and Breast Pump, with the necessary attachments, together with a No. 2 Pump, all are included in one outfit. See Fig. 75.

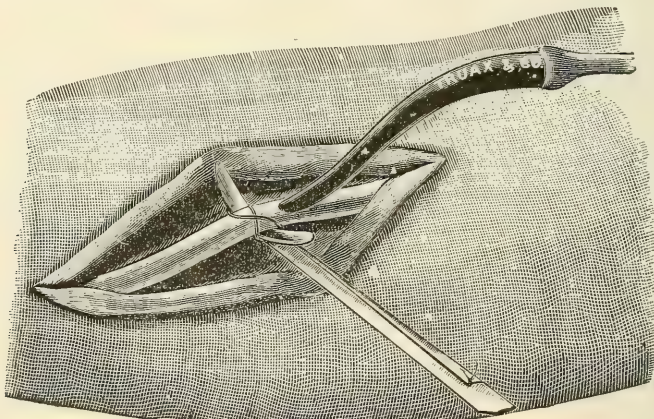


Fig. 32. Showing Transfusion Canula and Canula Pin.

BLOOD TRANSFUSERS.

As a blood transfuser it possesses important advantages not found in any other instrument, and it is practically the only perfect one in use. For this purpose we manufacture a special instrument having a small tube of pure rubber. If the operator desires to maintain the blood, while *in transitu*, at or near its normal tempera-



Fig. 33. Jennings' Phlebotome.

ture, he may place the pump, while in use, in a basin or vessel of water having a temperature of about 150° F. As there are no valves or stop cocks, and as the blood while being transfused may be kept moving at the same rate of speed as when in the veins, there is but little liability of any change taking place, and consequently no necessity for defibrination. It is not brought into contact with the air, and there is but little if any danger of coagulation.

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THE TRUAX SURGICAL PUMP.

As the Truax Pump itself is only the means of freeing the tubing from air and properly propelling the blood, almost any form of canula may be used in connection with it. In order to simplify this operation, we furnish a plain canula (see Fig. 32).

This attachment to the Truax Surgical Pump consists of an inflatable rubber bag surrounding a hollow flexible bougie (see Fig. 35). The bougie, and bag, while the

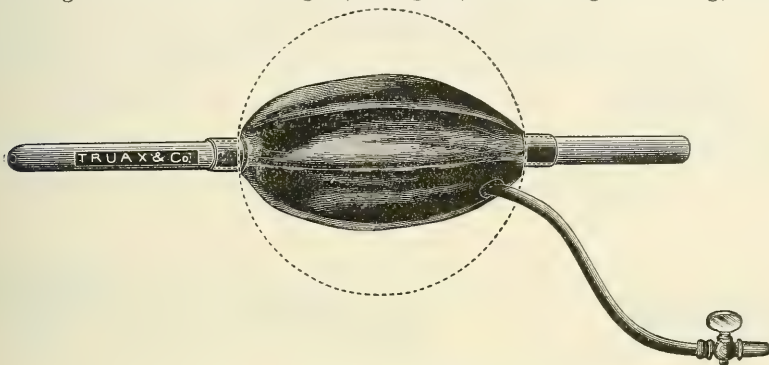


Fig. 35. Prince's Rectal Injector and Obturator,

latter is in a collapsed condition may be introduced into the rectum, after which the bag may be attached to the pump and filled with water until dilated to the required size, after which the pump may be connected with the bougie and the rectum filled with fluid. It may be used in raising the floor of the pelvic viscera in laparotomy and other supra-pubic operations, in injecting large quantities of water into the alimentary canal in cases of obstinate constipation, intussusception or strangulation; for holding large quantities of fluid foods in the alimentary canal; and for diluting the blood and reducing the temperature by the introduction of water.

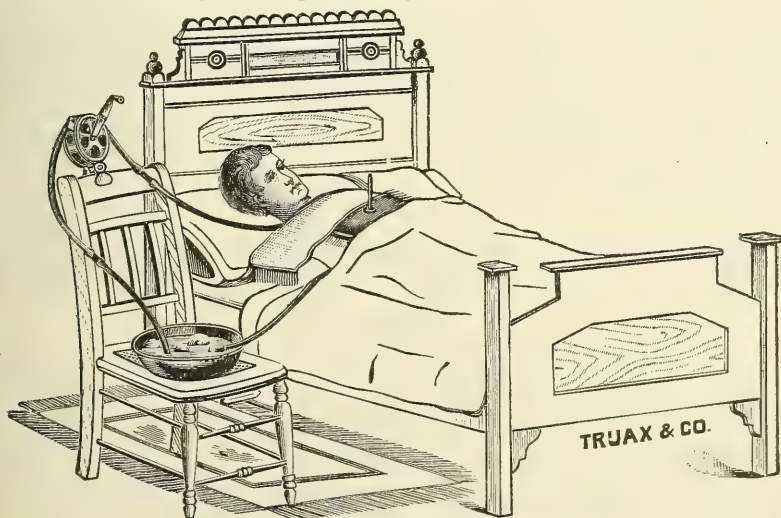


Fig. 37. Hot and Cold Water Bags.

HOT AND COLD WATER APPLICATIONS.

As may be seen by the foregoing illustration, it is only necessary to connect a suitable bag with sufficient tubing to convert this pump into a valuable instrument for



THE TRUAX SURGICAL PUMP.

making applications of water, both hot and cold, either of which may be maintained at a given temperature for any desired length of time. In applying ice water both the end of the tubing leading to the pump and the end leading from the water bag may be placed in the vessel containing the broken ice and water. The bag may then be placed in position upon the affected parts, the stop-cock closed and the bag filled with the ice water by simply turning the crank. The thermometer shown in the illustration projects into the center of the bag, and as it is not self-registering it shows both the falling and rising of the temperature.

Hot water may be applied in the same manner and its temperature carefully ascertained by the same thermometer, the only difference in the attachments being the placing of the outlet tube in a second vessel.



Fig. 37 B.



Fig. 37 C.



Fig. 38.

These bags are manufactured of various sizes and shapes, those usually furnished being for use on the abdomen (Fig. 37), chest (Fig. 37), neck (Fig. 37 B), spine (Fig. 37 C) and head (Fig. 38). They are made of pure gum rubber, so that they are not only soft and light, but they will readily conform to the inequalities of the surface to which they are applied.

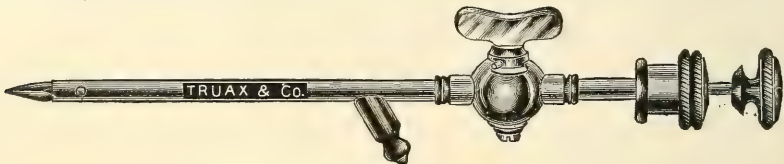


Fig. 40. Aspirating Trocar and Stop-Cock.

The advantages possessed by an Aspirating Trocar lie in the fact that as the needle or puncturing point is formed of a separate piece of metal from the canula the latter can be manufactured from tubing having a much thinner wall than it otherwise could, thus furnishing the greatest possible internal caliber or suction space as compared with the size of the wound produced by the introduction of the instrument.

During the year 1888, at the Royal Naval Hospital, Gosport, Eng., a series of experiments with instruments of this class was made by the Fleet Surgeon of the British Navy, Mr. Walter A. Reid, who, after repeated trials, pronounced the Truax-



THE TRUAX SURGICAL PUMP.

Allen Surgical Pump Outfit (see page 24), containing a set of these trocars, the most perfect aspirator in use.



Fig. 42. Curved Dome-Pointed Trocar for Ovarian Cysts.

Three large dome-pointed trocars we have constructed for use in removing the contents of large cystic tumors, particularly those of the ovaries. Besides the ovarian trocar shown in the illustration we manufacture two smaller sizes of the same length and curve (Nos. 9 and 15, Eng. scale) for use in instances where a straight trocar is not admissible.



Fig. 44. Emmet's Trocars, Three Sizes.

These trocars are manufactured in sizes both for ordinary aspirations and for ovarian use. They differ from Fig. 40 in not having a stop-cock and being nickel plated.

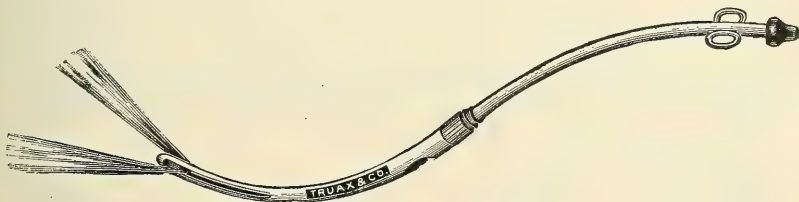


Fig. 46. Uterine Douche.

This instrument has already proved itself useful in the hands of nearly all who have given it a trial, whether used with a common syringe or with the Truax-Allen Surgical Pump. With the latter it becomes doubly valuable because of the ease with which it may be operated, the smooth, even current it produces and the fact that no air can be drawn into the current.



Fig. 48. Esophageal Dilator.

These dilators are made in two sizes, adult's and child's, both of which are sup-



THE TRUAX SURGICAL PUMP.

plied with rubber bags and silk covers and, like our uterine dilators described on pages 8 to 11, may be dilated to any desired shape or size.

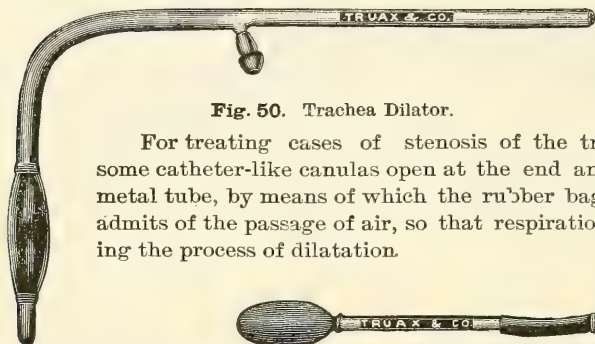


Fig. 50. Trachea Dilator.

For treating cases of stenosis of the trachea we have constructed some catheter-like canulas open at the end and having an external small metal tube, by means of which the rubber bags are dilated. The catheter admits of the passage of air, so that respiration is not interfered with during the process of dilatation.



Fig. 52. Nasal Dilator and Epistaxis Instrument.

These are constructed by fastening one of the small rubber bags accompanying our outfits to an elastic catheter as shown in the illustration (Fig. 52). After being introduced the bag can be dilated as desired. The more slender ones may be used for replacing and sustaining in position the turbinated bodies, while the medium oval ones are adapted for use as epistaxis instruments.

FOR DENTISTS' USE.

This invention is adaptable to Dentists' use for aspirating, cupping alveolar abscesses, continuous syringe and saliva evacuator. As an aspirator its work is perfect, and for this purpose two needles are supplied, one straight and one curved. The alveola cuppers are two in number, and are also curved and straight (see Fig. 54). The saliva evacuators are of the regular pattern in use by dentists and are furnished of either hard rubber or glass. When used for the latter purpose the patient can



Fig. 54. Dental Cuppers.

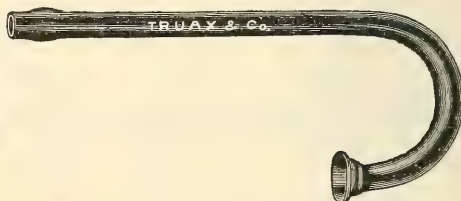


Fig. 56. Saliva Washer.

hold the pump in one hand (it being only three inches in diameter) and turn the crank with the other, thus freeing the saliva from the month as fast as it collects.

EMBALMING AND SUCTION SYRINGE.

To convert this into a perfect embalming instrument we furnish a trocar pointed evacuating tube (see Fig. 58), and suitable injection pipes (see Fig. 60). As this pump



Fig. 58. Embalming Trocar.

works with much greater force than any other evacuating instrument, there is much



THE TRUAX SURGICAL PUMP.

less danger of the tube becoming clogged; however, should this occur the operator has only to give the crank one or two turns in the opposite direction to free it at once. If the operator desires to thoroughly evacuate the fluid contents of the body he has only to make a single opening into the abdomen just above the umbilicus, through which he may reach with this trocar any organ or large intestine liable to contain fluid matter. The perforation of these parts should be made while an assistant is turning the crank so that the moment the point comes in contact with fluid matter, whether liquid or gaseous, it will be drawn through the canula and tube. The embalming fluid may be injected through the same trocar if desired, or the embalming pipes (see Fig. 60) may be used. These injection tubes are of hard rubber,



Fig. 60. Hard Rubber Embalming Injection Pipes.

and as the instrument is without valves or other metal attachments there is but little to be destroyed by any corrosive fluid with which it may be brought in contact.

VETERINARY USE.

The compactness of this pump renders it desirable for veterinary work, and for this use we supply an outfit furnished with stomach tube, catheter, syringe pipe and aspirating needles (see Outfit No. 52). Its advantages for all of these uses are clearly set forth in the foregoing pages and consequently need no repetition here.

IT IS ASEPTIC.

The instrument, for all of the above mentioned purposes, is the only one in the market that can be made aseptic. It has little or no complicated machinery and there is nothing about it liable to get out of order. Although the tube furnished is of superior quality, made expressly for this instrument, tubing that will answer all purposes may be procured at any good drug store.



Fig. 63. UNIVERSAL COUPLING.

These couplings were first suggested to us by Col. J. W. Baxter, M. D., Chief Medical Purveyor, U. S. A., and are the ones mentioned in the recommendation of



THE TRUAX SURGICAL PUMP.

Mr. J. A. Marston, Deputy Surgeon General, British Army, on page 991 of this catalogue. They will be found to fill all requirements and to facilitate the changing of one attachment to another.

SIZES OF PUMPS AND NET PRICES.

Pump No. 2, diameter of cylinder 3 in., price of pump only.....	\$ 9 00.
Pump No. 4, veterinary, diameter of cylinder 6 in., price of pump only (Allen pattern).....	15 00.
[The above prices include one tube and a set of universal connectors.]	
If in case like Fig. 72, extra.....	1 75
If in case like Fig. 75, extra.....	5 00.



Fig. 72. Showing Our \$15.00 Outfit.

Physician's Outfit No. 9 (see Fig. 72) consisting of—

- | | |
|---|---|
| 1 3-inch Pump and Tube, Fig. 1; | 2 Tampons, Fig. 18; |
| 1 Clamp to fasten to table, chair, etc.; | 1 Uterine Dilator, small, Fig. 22; |
| 2 Universal Connectors, Fig. 63; | 1 Uterine Dilator, large, Fig. 20; |
| 1 Glass Cupper, Fig. 6; | 2 Silk Covers for same; |
| 1 Connector and Cut-off for same, Fig. 6; | 2 extra Rubber Bags, for tampons, dilators, etc.; |
| 1 Stomach Tube and Connector, Fig. 9; | |
| 3 Aspirating Needles, Fig. 15; | 1 Olive tip Catheter and Connection. |

All in a neat velvet lined leather covered case (Fig. 72), net price \$15.00.



THE TRUAX SURGICAL PUMP.



Fig. 75. Showing Our No. 11, or \$25.00 Outfit.

Fig. 75—SHOWING OUR NUMBER 11 OR \$25.00 OUTFIT.

Physicians' Outfit No. 11, consisting of—

- | | |
|---|--|
| 1 3-inch Pump and Tube, Fig. 1; | 1 Uterine Dilator, large, Fig. 20; |
| 1 Extra Tube for same; | 4 Silk Covers for same; |
| 1 Clamp to fasten to table, chair, etc.; | 4 Extra Rubber Bags, for tampons, |
| 4 Universal Couplings, Fig. 63; | dilators, etc.; |
| 2 Glass Cuppers, Fig. 6; | 1 Olive Tip Catheter and Connector; |
| 2 Connectors and Cut-offs for same, Fig. 6; | 5 Syringe Pipes, Fig. 25 (ear, post nasal, |
| 1 Stomach Tube and Conductor, Fig. 9; | vaginal, rectal and uterine); |
| 1 Trocar, Fig. 13; | 1 Breast Pipe; |
| 4 Aspirating Needles, Fig. 15; | 1 Skene's Reflow Catheter, Fig. 29; |
| 1 Two-way Cock, for injecting, Fig. 10; | 1 Rectal Catherer, Fig. 31; |
| 2 Tampons, Fig. 18; | 1 Truax' Dilating Bag, Fig. |
| 1 Uterine Dilator, Small, Fig. 22; | 1 Uterine Cupper, Fig. 8. |

All in a neat, velvet lined, solid leather case, with lock and key, as shown

by Fig. 75.....\$25 00



THE TRUAX SURGICAL PUMP.

The No. 11 outfit contains nine sets of instruments, each one of which is more perfect, and possesses greater advantages than any one instrument of its class to be purchased elsewhere. In other words, a physician may purchase the nine best instruments for these several operations to be found in the market, and will find on comparison that this one outfit is a better one, for not only one but all of the various operations for which it is recommended, than the entire nine; and these nine cannot be purchased for less than six times the sum asked for this one set.

Gynecological Outfit No. 33, consisting of—

- | | |
|--|--|
| 1 3-inch Pump and Tube, Fig. 1; | 1 Uterine Dilator, small, Fig. 22; |
| 1 extra Tube for same; | 1 Uterine Dilator, large, Fig. 20; |
| 1 Clamp, to fasten to table, chair, etc.; | 5 Silk Covers for same; |
| 4 Universal Connectors, Fig. 63; | 6 extra Rubber Bags, for tampons, dilators, etc.; |
| 2 Glass Cuppers, Fig. 6; | 2 Olive Tip Catheters and Connectors; |
| 2 Connectors for same, Fig. 6; | 3 Syringe Pipes (uterine, vaginal and rectal) Fig. 25; |
| 4 Aspirating Needles, Fig. 15; | 1 Uterine Douche, Fig. 46; |
| 1 Trocar, Fig. 13; | 1 Skene's Reflow Catheter, Fig. 29; |
| 1 Two-way Stop-Cock, for injecting, Fig. 10; | 1 Rectal Pipe, Fig. 31; |
| 3 curved Dome Trocars, Fig. 42; | 3 Truax's Dilating Bags, assorted sizes; |
| 3 Emmet's Trocars, Fig. 44; | 1 Uterine Cupper, Fig. 8. |
| 2 Tampons, Fig. 18; | |

All in a neat, velvet lined, solid leather case, similar to Fig. 75.....\$45 00

Hospital Outfit No. 34, consisting of—

- | | |
|---|--|
| 1 3-inch Pump and Tube, Fig. 1; | 6 extra Rubber Bags, for Dilators, tampons, etc.; |
| 2 extra Tubes for same; | 2 Olive Tip Catheters and Connectors; |
| 1 Clamp, to fasten to table, chair, etc.; | 5 Syringe Pipes, Fig. 25 (ear, post nasal, rectal, vaginal and uterine); |
| 5 Universal Connectors, Fig. 63; | 1 Breast Pipe; |
| 3 Glass Cuppers, Fig. 6; | 2 hard rubber Transfusion Canulas, Fig. 32; |
| 3 Connectors and Cut-off for same, Fig. 6; | 1 Canula Pin, Fig. 32; |
| 1 Stomach Tube and Connector, Fig. 9; | 1 Phlebotome, Fig. 33; |
| 3 Aspirating Trocars and Stop-Cock Fig. 40; | 1 Rectal Obturator and Injector, Fig. 35; |
| 2 Aspirating Needles, Fig. 15; | 1 Skene's Reflow Catheter, Fig. 29; |
| 1 large Curved Dome Trocar, Fig. 42; | 1 Rectal Catheter, Fig. 31; |
| 1 Two-way Cock, for injecting, Fig. 10; | 3 Truax' Dilating Bags, assorted sizes, Fig. 21; |
| 2 Tampons, Fig. 18; | 1 Uterine Cupper, Fig. 8; |
| 1 Uterine Dilator, small, Fig. 22; | 1 special Tube for Transfusion. |
| 1 Uterine Dilator, large, Fig. 20; | |
| 5 Silk Covers for same; | |

All in a neat, velvet lined, solid leather case, with lock and key, similar to Fig. 75.....\$50 00



THE TRUAX SURGICAL PUMP.

Hospital Outfit, No. 35, consisting of—

- | | |
|---|--|
| 1 3-inch Pump and Tube, Fig. 1; | 5 Syringe Pipes, Fig. 25 (ear, post nasal, |
| 2 extra Tubes for same; | uterine, vaginal and rectal); |
| 1 Clamp, to fasten to table, chair, etc.; | 1 Breast Pipe; |
| 3 sets Universal Connectors, Fig. 63; | 2 hard rubber transfusion Canulas, |
| 5 Glass Cuppers, Fig. 6; | Fig. 32; |
| 3 Connectors and Cut-offs, for cuppers | 1 Canula, Tin, Fig. 32; |
| Fig. 6; | 1 Phlebotome, Fig. 22; |
| 1 Stomach Tube and Connector, Fig. 9; | 1 Rectal Obturator and Injector, Fig. 35; |
| 2 Aspirating Needles, Fig. 15; | 1 Water Bag for chest, Fig. 37 |
| 3 Aspirating Trocars and Stop-Cock, | 1 Water Bag for abdomen, Fig. 37; |
| Fig. 40; | 1 Water Bag for spine, Fig. 37 C; |
| 2 Emmet's Trocars, large and medium, | 1 Water Bag for neck, Fig. 37 B; |
| Fig. 44; | 1 Water Bag for head, Fig. 38; |
| 2 curved Dome Trocars, large and small, | 1 Uterine Douche, Fig. 46; |
| Fig. 42; | 1 Oesophageal Dilator, Fig. 48; |
| 1 Two-way Cock, for injecting, Fig. 10; | 1 Trachea Dilator, Fig. 50; |
| 2 Tampons, Fig. 18; | 1 Nasal Dilator, Fig. 52; |
| 1 Uterine Dilator, small, Fig. 22; | 1 Skene's Reflow Catheter, Fig. 29; |
| 1 Uterine Dilator, large, Fig. 20; | 1 Rectal Cathetr, Fig. 31; |
| 5 Silk Covers for same; | 3 Truax' Dilating Bags, assorted sizes, |
| 6 extra Rubber Bags, for dilators, tam- | Fig. 21; |
| pons, etc.; | 1 Uterine Cupper, Fig. 8; |
| 2 Olive Tip Catheters and Connectors; | 1 special Tube for Transfusion. |
- All in a neat, velvet lined, solid leather bag, similar to Fig. 75.....\$85 00

Walter A. Reid's British Naval Case, consisting of—

- | | |
|--|---|
| 1 3-inch Pump and Tube Fig. 1; | 3 Aspirating Trocars, gold-plated, with |
| 2 extra Tubes for same; | Stop-Cock, Fig. 40; |
| 1 Clamp to fasten to table, chair, etc.; | 1 brass Two-way Cock, for injector, |
| 4 Universal Connectors, Fig. 63; | Fig. 10; |
| 3 glass Cuppers, Fig. 6; | 2 Tampons, Fig. 18; |
| 2 Connectors and Cut-offs for same, | 1 Rectal Dilator, Fig. 20; |
| Fig. 6; | 4 extra Rubber Bags, for dilators, tam- |
| 1 Stomach Tube (without varnish) and | pons, etc.; |
| Connector, Fig. 9; | 2 Olive Tip Catheters and Connectors; |
| 2 Aspirating Needles, Fig. 15; | 1 Rectal Syringe Pipe, Fig. 25. |
- All in a velvet lined heavy sole leather case, with handle, lock and key.....\$30 00

Outfit No. 36. Blood Transfuser—consisting of 1 3-inch Pump with suitable Tube; 2 hard rubber Canulas, Fig. 32, 1 Canula Pin, Fig. 32, and 1 Phlebotome, Fig. 33. All in a neat, velvet lined case..... 15 00

Outfit No. 38. Embalming Syringe—consisting of a No. 2 Pump; 1 Jointed Evacuating Trocar, Fig. 58; 3 Injection Pipes, Fig 60; 1 set Universal Connectors, Fig. 64. All in a neat, velvet lined case..... 13 00



THE TRUAX SURGICAL PUMP.

Outfit No. 39	Embalming Syringe—consisting of a No. 2 Pump; 1 Jointed Evaculating Trocar, Fig. 58; 3 Injection Pipes, Fig. 60; 1 Catheter; 2 Scalpels; 1 Dissecting Forcep; 1 Dissecting Scissors; 1 Artery Needle; 1 set Universal Connectors, Fig. 63. All in a neat, velvet lined case.....	\$15 00
Outfit No. 41.	(Aspirator only)—containing a No. 2 Pump; 3 Aspirating Needles, Fig. 15, with 2 Universal Connectors, Fig. 63. In, neat velvet lined, leather covered case.....	11 00
Outfit No. 43.	(Stomach Pump only)—containing a No. 2 Pump; 1 Stomach Tube, with one Universal Connector. In neat, velvet lined, leather covered case.....	12 00
Outfit No. 45.	(Cupping Pump only)—containing a No. 2 Pump, with 4 Cuppers, Fig. 6, each with suitable cut-off and connections.....	11 00
Outfit No. 46	Larynological—consisting of 1 3-inch pump, Fig. 1; 1 (Esophageal Dilator, Fig. 48; 1 Trachea Dilator, Fig. 50; 1 Nasal Dilator, Fig. 52; 2 Aspirating Needles, Fig. 15; 6 extra Rubber Bags for dilators; Clamp and Tube Connector. All in a neat, velvet lined case.....	14 50
Outfit No. 47.	Dental—consisting of a No. 2 Pump; 3 glass Saliva Tubes, Fig. 56, with suitable Connector; 2 hard rubber Alveola Cuppers, Fig. 54, and 1 Aspirating Needle.....	13 50
Outfit No. 52.	Veterinary—consisting of 1 6-inch Pump (Allen pattern) with extra heavy tubing; 1 extra Tube for same; 1 Clamp; 1 set Connectors; 2 Aspirating Needles; 1 Dome Trocar; 1 Catheter; 1 Injection Pipe and 1 Horse Stomach Tube. In a neat, serviceable hand bag.....	25 00

PRICES OF EXTRAS.

Aspirating Attachment, Fig. 10, complete.....	each,	\$1 25
Aspirating Needles, Fig. 12, 4 sizes	"	75
Aspirating Trocars, with stop-cock, nickel plated, Fig 40.....	"	3 50
" " " " " gold plated.....	"	4 00
" " " " " set of 3, with 1 stop-cock, nickel plated.....	"	8 00
" " " " " " 3, " 1 " gold plated.....	"	9 00
" " " " " Dome, pointed, curved, small Fig. 42	"	4 00
" " " " " " " medium	"	5 00
" " " " " " " large	"	6 00
" " " " " Emmet 's, small, Fig. 13.....	"	2 00
" " " " " " ovarian, small, Fig. 14.....	"	2 75
" " " " " " " medium.....	"	3 00
" " " " " " " large.....	"	3 75
Bags, Hot and Cold Water, Chest, Fig. 37.....	"	2 75
" " " " " Abdominal, Fig. 37	"	3 00
" " " " " Spinal, Fig. 37 C.....	"	2 40
" " " " " Neck, Fig. 37 B.....	"	1 75
" " " " " Head, Fig. 38.....	"	4 00
Breast Pipes, plain.....	"	15



THE TRUAX SURGICAL PUMP.

Catheters, olive, pointed, best.....	"	\$0 50
" Skene's Reflow, Fig. 29.....	"	1 00
Couplings, Universal, hard rubber, Fig. 63.....	"	20
Connectors for Cuppers, consisting of piece of tubing, hard rubber fitting and cut-off, Fig. 6.....	"	35
Cuppers, glass, Fig. 6.....	"	15
Cupper, Uterine, metal.....	"	75
Dental, Cuppers, Alveola, Fig. 54.....	"	75
Dental Saliva Tubes, glass, Fig. 56.....	"	50
" " " hard rubber.....	"	75
Dilators, Uterine, large, Fig. 20.....	"	50
" " Fig. 22.....	"	1 00
" " Truax' Mod. Barnes' Bags, 3 sizes, Fig. 21.....	"	1 00
" Urethral, Fig. 24.....	"	1 00
Silk Covers for same.....	"	10
" Oesophageal, Fig. 48.....	"	75
" Trachea, Fig. 50.....	"	2 00
" Nasal, Fig. 52.....	"	1 00
Douche, Uterine, Fig. 46.....	"	2 00
Embalming Trocars, Fig. 58.....	"	2 00
" Pipes for Injecting, Fig. 60, set.....	"	1 50
Leech, Artificial, Fig. 8.....	"	50
Rubber Bags, small, for Dilators.....	"	05
" large, for Tampons, Dilators, etc.....	"	10
Rectal Injector and Obturator, Fig. 35.....	"	3 00
Rectal Catheter, Fig. 31.....	"	1 00
Stop-Cock, Two-Ways, for Aspirator, Fig. 10.....	"	1 00
Stomach Tubes (extra quality) and fitting, Fig. 9.....	"	1 50
Syringe Pipes, Rectal and Vaginal, Fig. 25.....	"	20
" " Ear and Uterine, Fig. 25.....	"	30
" " Post Nasal, Fig. 25.....	"	35
Tampons, complete, Fig. 18.....	"	25
Thermometers, for Water Bags, Fig. 37.....	"	1 00
Transfusion Canulas, Fig. 32.....	"	75
" Canula Pin, Fig. 32.....	"	75
" Phlebotome, Fig. 33.....	"	75
Tubes, Rubber, for No. 2 Pump.....	"	50
Veterinary Injection Pipe.....	"	1 00
" Stomach Tube.....	"	5 00
" " " extra length.....	"	6 00
" Catheter, best.....	"	2 00

7, The Crescent, Birmingham, July 30, 1888.

The (Truax-)Allen Surgical Pump is certainly a most ingenious and clever apparatus. I have mastered the details of the attachments and highly appreciate them.

LAWSON TAIT.



THE TRUAX SURGICAL PUMP.

Portsmouth, September 6, 1888.

I consider the (Truax-)Allen Surgical Pump the most ingenious invention exhibited this year at the Annual Meeting of the British Medical Association. From a mechanical point of view the instrument is perfect, and for many surgical purposes it presents extraordinary advantages.

JOHN WARD COUSINS, M. D., Lond., F. R. C. S.

Senator Surgeon to Royal Portsmouth Hospital.

Pollokshields, Glasgow, April 2, 1888.

I have used the (Truax-)Allen Surgical Pump twice for *paracentesis thoraces*, with the greatest success. It is very handy and reliable. In one case of foetal death, where the induction of premature labor was necessitated, it effectually dilated the os with ease and speed, and to-day in a case of *placenta previa*, with alarming hæmorrhage, I was enabled by its use to arrest the hæmorrhage by its plugging action, simultaneously dilating the os with a satisfactory result to mother and child.

R. POLLOCK.

56 Nevern Square, South Kensington, London, Aug. 20, 1888.

What I have said and done regarding the Surgical Pump was entirely on its merits.

(Extracts from a letter)

J. A. MARSTON.

Dep'ty Sur. Gen'l (British Army).

TRUAX, GREENE & CO.

Brooklyn, April 23, 1888.

Gentlemen:—The (Truax-)Allen Surgical Pump differs entirely from the great majority of surgical instruments that have been brought to my notice, in this respect, that it not only fulfills all my requirements, but is also worthy of more credit than you claim for it. Higher commendation I cannot possibly give.

(Extract from a letter.)

Very sincerely

ALEX. J. C. SKENE, M. D.

Royal Navy Hospital, Halster, Gosport, England, October 5, 1888.

CHAS. TRUAX, GREENE & CO.

Dear Sirs:—Both the (Truax-)Allen Surgical Pumps are in daily use at this hospital, and work admirably. I cannot think of anything else to make the Naval Case more perfect.

(Extract from a letter.)

WALTER REID.

Fleet Surgeon, R. N.

CHAS. TRUAX, GREENE & CO.

Detroit, Mich., July 12, 1888.

Gentlemen:—The (Truax-)Allen Pump arrived in good condition, and I have had occasion to test its merits practically. The more I use it the more I believe it is a great addition to the armamentarium of the practical surgeon. The man who invented it ought to have been himself a surgeon so that the "glory" would have belonged to the craft.

(Extract from a letter.)

I am, etc.,

DONALD MACLEAN,

TRUAX, GREENE & CO.,

New York, Feb. 18, 1889.

Dear Sirs:—The Surgical Pump which I purchased of you some time ago has fulfilled all my expectations and meets all my requirements. I have used it for a variety of indications and have been much pleased with its workings.

(Extract from a letter.)

Truly yours,

BACHE McEMMETT, M. D.

CHAS. TRUAX, GREENE & CO.

62 Madison Avenue, New York, March 26, 1889.

Dear Sirs:—The Surgical Pump which was left with me by your agent has proved very useful in many instances, and I take pleasure in recommending it. I am using it constantly.

(Extract from a letter.)

Very truly yours,

ALEX. B. MOTT, M. D.,
Prof. of Clinical and Oper. Surgery, Bell Med. Col.

We can scarcely speak too highly of the apparatus before us. It is a marvel of the scientific application of mechanism to surgery. We predict for it a very general, if not a universal, employment in the profession.—[The Lancet, August 4th, 1888.]

At the Obstetrical Section (British Medical Association), a demonstration of the uses of the (Truax-)Allen Surgical Pump, was given by Mr. Chas. Truax, of Chicago, who briefly but clearly showed how, by the use of his improved attachments, this simple instrument could be used successfully for a great many different purposes. Many of his demonstrations elicited considerable applause.—[British Medical Journal, August 25th, 1888.]

CHAS. TRUAX & CO. GREENE & CO.

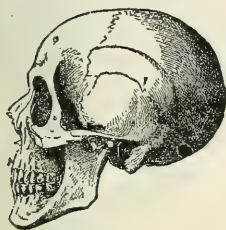


Fig. 9001. Plain skull. Price, according to condition, number of teeth, whiteness, development, etc., \$5.00 to \$9.00. See page 1020.



Fig. 9003. Skull with horizontal cut. Price, according to quality, \$6.00 to \$8.50. See page 1021.

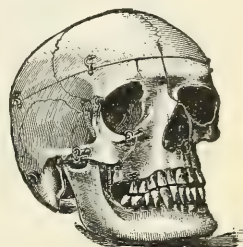


Fig. 9005. Skull with seven cuts, as per description given on page 1021, \$22.50.



Fig. 9007. French and German Manikins. Price \$85.00 to \$1,200. See pages 1019 to 1051.

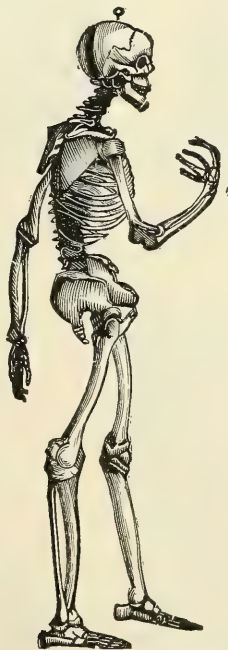


Fig. 9009. Articulated Skeletons. Price \$30.00 to \$40.00, according to quality. See page 1020.



Fig. 9011. Model of Trunk, No. 1007. See page 1026. Price, \$54.00. For other patterns see pages 1019 to 1051.

HAS **TRUAX** *TRU* **GREENE & Co.**



Fig. 9021. Female Pelvis, with Ligaments, \$9.00. See page 1019.



Fig. 9023. Female Pelvis, without Ligaments, \$7.50. See page 1019.

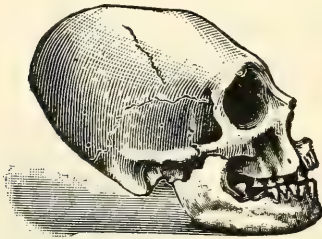


Fig. 9025. Skull of Flathead Indian. We are prepared to furnish skulls of various types, pathological and natural and artificially deformed.



Fig. 9027. Model of Head No. 203, as described on page 1022. Price \$18.90.

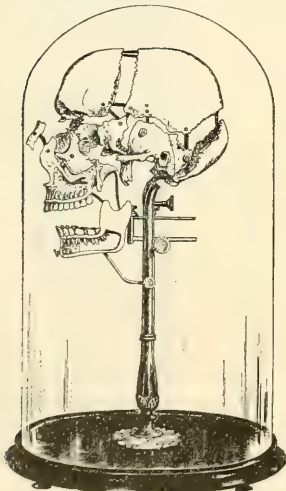


Fig. 9029. Skull mounted according to Beauchene, under glass dome, \$50.00 to \$75.00. See page 1020.



Fig. 9031. Uterus, showing one of the monthly periods of pregnancy. In sets of 9. Price of set \$1000.00. See page 1043.

HAS TRUAX (F&H) GREENE & CO.

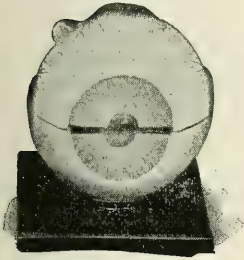


Fig. 9042. Model of Eye, Nos. 300 and 30. Price, \$4.50 to \$8.10. See page 1023.



Fig. 9044. Model of Eye, No. 305. Price, \$7.90. See page 1023.

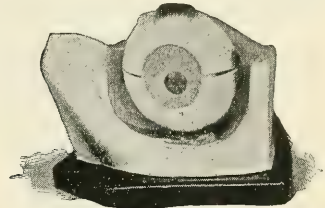


Fig. 9046. Model of Eye, No. 302. Price, \$5.40. See page 1023.



Fig. 9048. Model of Heart, No. 902. Price, \$10.80. See page 1025.

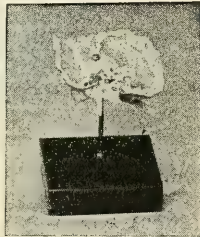


Fig. 9050. Temporal Bone of Ear, divisible. Price, \$7.50. See page 1019.

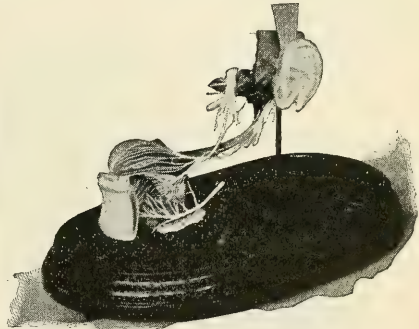


Fig. 9052. Model of Ear and Tongue, very complete. Price, \$31.50. See page 1024.

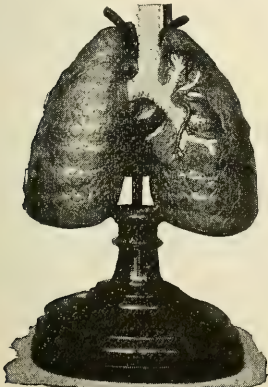


Fig. 9054. Model of the Lungs and Heart, No. 815. Price, \$16.20. See page 1025.

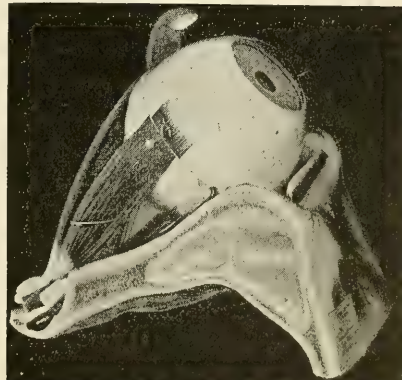


Fig. 9056. Model of Eye, No. 304. See page 1023. Price, \$24.75. For other patterns see pages 1019 to 1051.



FULLER'S BRAIN MODELS.

For illustrations see opposite page.

These models are casts which have been taken from hardened natural human brain matter. They are furnished in sets; five pieces, in a partitioned cardboard box, comprising a set. The models showing transverse exposures are not cut sections, but appear as if the brain were separated or torn asunder in strata, thus giving a more accurate illustration of the relationship of one part with the other than it is possible to obtain from transversely "cut" sections. Models 3, 4 and 5, in addition to the transverse view, also represent parts of the lateral tissues dissected out; giving a number of vertical exposures of the internal anatomy of the brain.

For studying and teaching, we are informed on good authority, these are the most accurate brain models in the market. They should prove particularly interesting to neurologists, teachers of anatomy and physiology—medical students and the medical profession in general. A complete explanatory circular accompanies each set. The various parts of the models are indexed by figures and letters corresponding with the circular, facilitating rapid reference and localization.

The following is a summary of the set:

MODEL No. 1.

Brain showing superficial origins of the cranial nerves; on the right side the convolutions and fissures, and on the left the motor centers, etc.

MODEL No. 2.

Dissection showing corona radiata, crest of the internal capsule, superior longitudinal commissure, corpus callosum and striæ-longitudinales, posterior extremity of the Sylvian fissure, and anterior surface of the cuneus, with a triangle illustrating the causes of Aphasia and Amnesia.

MODEL No. 3.

Dissection showing the lateral ventricles and fornix, with a section displaying the three divisions of the lenticular nucleus, the internal capsule, subconvolitional white layer, candate nucleus, Hippocampus minor and posterior cornu, etc.

MODEL No. 4.

Dissection like No. 3, but with the fornix reflected, exposing the velum interpositum and the Lyra, Island of Riel, etc.

MODEL No. 5.

Dissection exposing the third ventricle and shows the relation of the Basal ganglia to the internal capsule and the lobes of the cerebellum, pyramidal fibres passing through the pons, cerebellum, etc. This piece is valuable to give an understanding at a glance of the markings seen in brain sections.

These preparations correspond closely to the dissections of the brain illustrated in Gray's Anatomy, and they tend to keep in view continually before the mind of the student the main features of cerebral structure, rendering this study more easily and clearly grasped by the mind than it is possible by the use of plates, however well they may be executed.

See opposite page for illustrations.

HAS TRUAX & GREENE CO.

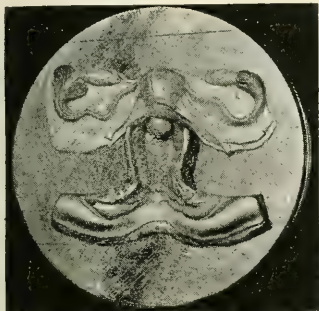


Fig. 9068. Model of Sexual Organs of Woman, No. 1304. Price, \$13.50. See page 1027.

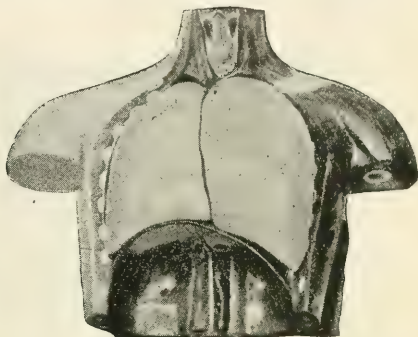


Fig. 9070. Model of Chest, No. 813. Price \$17.10 See page 1025.

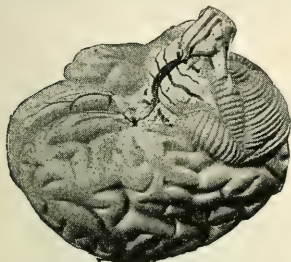


Fig. 9072. Model of Brain. Price, \$4.05 to \$33.75. See pages 1022 to 1031.



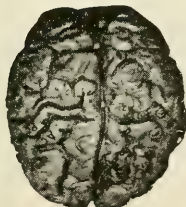
A



Fig. 9074. Phantom of Larynx, No. 809. Price complete as described on page 1025, \$33.75.



B



C



D



E

Fig. 9076. Models of the Brain, as prepared by Dr. Fuller, of Michigan, in sets of five in pasteboard box, per set \$15.00. See description on page 1014.

This set of models will be sent subject to approval on terms mentioned in the introductory of this price list.

HAS TRUAX AND GREENE & CO.

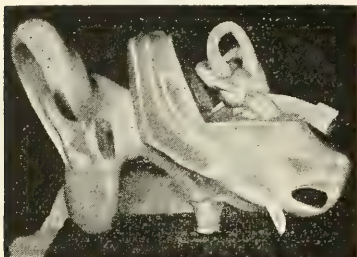


Fig. 9088. Model of Ear, No. 401. Price, \$8.10.
See page 1024.

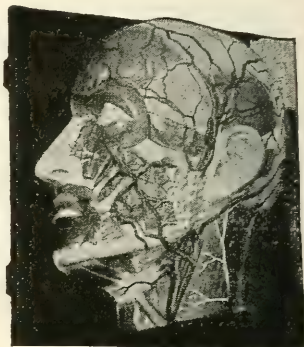


Fig. 9090. Model of Head, No. 211.
Price, \$14.40. See page 1023.

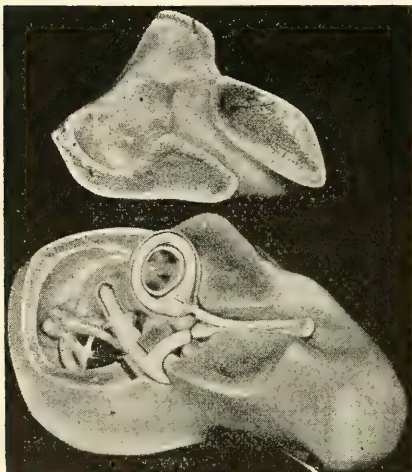


Fig. 9092. Model of Ear, No. 404. See page 1024.
Price, \$13.50. For other patterns see
pages 1019 to 1051.

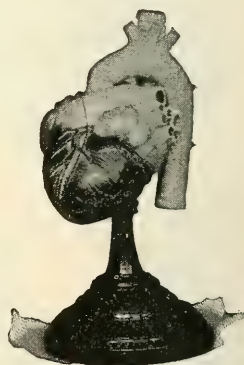


Fig. 9094. Model of Heart,
No. 903. Price, \$16.20.
See page 1025.

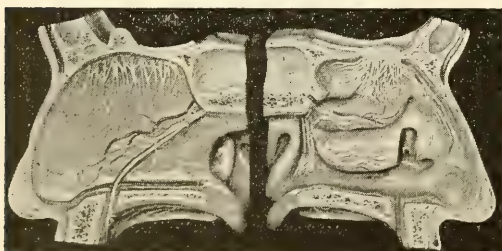


Fig. 9096. Model of Nose, No. 602, page 1024. Price, \$15.75.
For other patterns see pages 1019 to 1051.

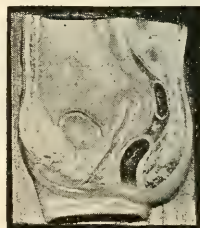


Fig. 9098. Model of Female Gen-
itals, No. 1303. Price, \$4.50.
See page 1027.

HAS TRUAX & GREENE

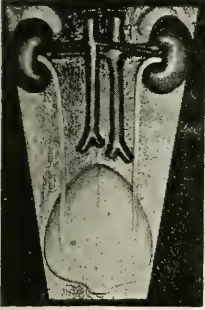


Fig. 9110. Model of Urinary Apparatus, No. 1102.
Price \$5.40. See page 1026.



Fig. 9112. Model of Skin, No. 700. Price \$4.50.
See page 1025.

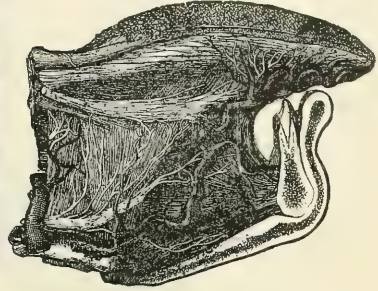


Fig. 9114. Model of Tongue. No. 502.
Price \$13.50. See page 1024.

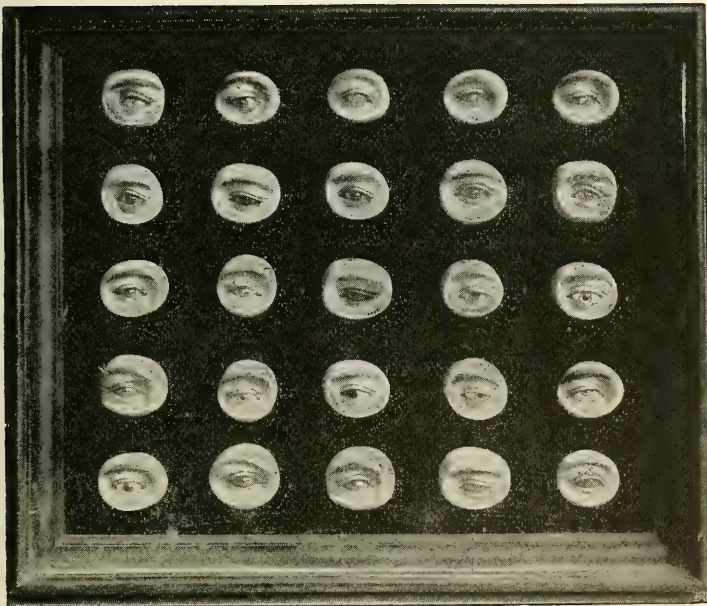


Fig. 9116. Models showing 25 diseases of the eyes. Finest execution of best French artists, in glass-covered frame. For set, \$150.00

This is a most valuable case for oculists, particularly those engaged in teaching.



Fig. 9127. Model of the Hand. Prices from \$3.60 to \$80.00. See pages 1029 and 1040.



Fig. 9138. Model of Tongue and Larynx. Price \$7.88. See page 1024.

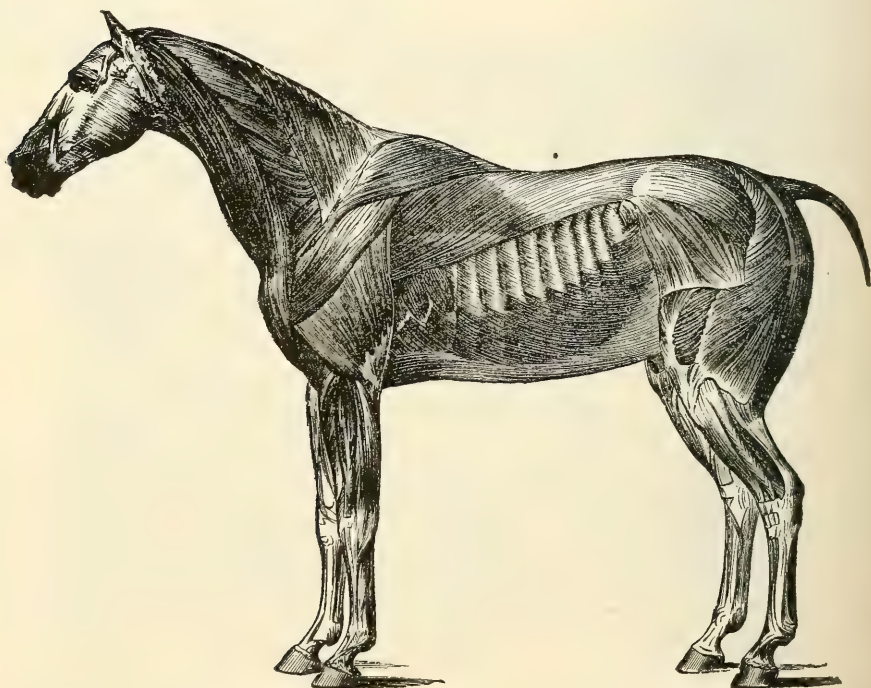


Fig. 9140. Models of the Horse in various sizes. Prices from \$101.25 to \$202.50. See page 1030.



HUMAN OSTEOLOGY.

Arm, Articulated, on catgut, consisting of hand, ulna, radius, clavicle and scapula	\$8 50
“ Mounted, according to Dr. Beauchene, for demonstrating the action of the muscles	42 50
“ With upper extremity—new method of articulation, allowing the practice of dislocation at will. <i>The movements are made naturally</i> , the articulated surfaces being held continually in place by invisible springs	14 00
Ear, internal and median, with nerves and bloodvessels	20 00
“ internal, showing semi-circular canals, cochlea, etc	6 00
“ middle, “ cavity of tympanum	4 00
“ Temporal bone, bisected through the mastoid cells and jointed at the mastoid process, exposing the ossicles, membrana tympani, etc	7 50
“ Temporal bone, petrous portion removed, exposing the ossicles, mounted on wood base	7 50
“ Collection of different preparations of, comprising fourteen pieces, under a dome	72 00
“ Collection, more complete than above, comprising eighteen pieces, under a dome	100 00
Femurs, per pair	1 85
Foot, strung on catgut	3 00
“ Articulated, with movements	4 00
Hand, strung on catgut	3 00
Hand or foot, articulated, with movements	4 00
“ “ articulated, without movements	2 00 to 2 40
Hand and Foot, mounted a la Beauchene, the two, without support	20 00
“ “ “ mounted a la Beauchene, the two, on a support	24 00
Head, with venous canals of the diploe	20 00
Jaw-bones, mounted under glass	20 00
Leg, articulated on catgut, consisting of foot, tibia, fibula, patella, femur and os innominatum	3 50
“ Mounted, a la Dr. Duchene, of Boulogne, showing the movement of the tarsal bones and the muscles	40 00
“ With lower extremity, new mode of articulation, allowing the practice of dislocation at will, the movements being made naturally, the articulated surfaces held in place continually by invisible springs. The foot shows the amputation of Drs. Lisfranc and Choppart	14 00
Joints, with ligamentous attachments, each mounted on a wood base, comprising the following : Elbow, foot and ankle, hand and wrist, knee, os innominatum with part of femur and shoulder, each	3 00
Pelvis, female, with ligaments	10 50
“ “ without ligaments	8 50



HUMAN OSTEOLOGY.

Pelvis, female, without ligaments, disarticulated.....	\$ 5 00
“ “ rubber and composition.....	21 00
“ “ foetus to match.....	12 50
Spinal Column, articulated.....	6 00
Skeleton, articulated, standing on a base. This is a well marked skeleton and perfectly white. The articulations are so constructed with hidden springs that any dislocation may be readily assimilated and the mode of reduction demonstrated.....	100 00
“ Articulated, connected by means of metallic strips with brass supporters, on an oak base, with castors, mounted a la Beauchene. This mounting keeps the bones at a distance by means of polished brass blades, at the same time keeping them in their respective places.....	235 00
Articulated, standing on a base.....	36 00
“ No. 1, best French articulation. These are the choicest selections from the best ether bleached skeletons. The bones are white and well cleaned, teeth all in, skeleton perfect in every respect, land marks prominent and articulated to admit of natural motion.....	40 00
“ No. 2, French articulation. These are ether bleached, bones white and well cleaned, teeth all in and articulation to admit of natural motion.....	35 00
“ No. 3, French articulation.....	30 00
“ Disarticulated, best.....	30 00
“ “ common.....	25 00
“ Half disarticulated, consisting of the head, vertebral column, ribs, sternum, half pelvis, one upper and one lower extremity, of which the hand and foot are strung on catgut.....	\$14 00 to 20 00
Skull, disarticulated, a la Beauchene, fixed under a dome.....	24 00
“ showing the three segments of cranium.....	12 00
“ lower jaw, fastened with spring, selected.....	\$6 50 to 7 00
“ “ “ “ “ “ good.....	6 00
“ “ “ “ “ “ common.....	5 00
“ “ “ “ “ “ perfect turbinates, long and perfect	
“ styloid and humulus processes.....	8 00
“ lower jaw fastened with spring, perfect turbinates, long and perfect	
“ styloid and humulus processes; teeth in first-class condition; choice specimens for dentists and demonstrators.....	9 00
Skull, disarticulated, all bones united with polished metal strips, according to Beauchene's method. By turning a screw the front part moves forward and the back part backward. The lower-jaw is detachable. Each bone can be studied separately, including those of the ear. Under glass..	75 00
“ Same, but less complete.....	50 00
“ disarticulated, in box, with compartments, choice.....	15 00
“ “ “ “ “ “	12 00
“ and cross bones.....	6 50
“ fetal.....	2 50
“ child's, showing dentition, mounted on wood base, under glass dome...	20 00
“ pathological.....	\$10 00 to 30 00



HUMAN OSTEOLOGY.

Skull, with one horizontal cut.....	\$ 8 50
“ “ “ “ and one vertical cut.....	10 50
“ “ five cuts, as follows:—transverse section, showing interior of skull; vertical section, showing sphenoidal sinus, ethmoidal sinus, frontal sinus, highmorianum antrum, diploë of skull, turbinates, etc.; frontal section, showing frontal sinus; temporal No. 1, detachable as a whole; temporal No. 2, divided, through petrous portion, showing internal ear...	13 50
Skull, with seven cuts, as follows:—transverse section, showing interior of skull, vertical section showing vomer, sphenoidal sinus, highmorianum antrum, sphenoidal cells, ethmoidal cells, frontal sinus, anterior palatine foramina and diploë of skull; anterior section, showing frontal sinus, full capacity, malar bone separable; temporal bone, detachable; in one, internal ear dissected, exposing canals and tympanum; in the other, section of petrous portion, showing the different courses of nerves and vessels. This is a complete and selected skull, very white, and without unnecessary defects.....	22 50
Support for skeleton, in polished brass on a varnished oak base, with castors..	15 00
“ in iron, on a varnished oak base, with castors.....	14 00
“ in iron, on a painted base, with castors.....	12 50
Torso, median cut, turning on its own base, showing the cranial, thoracic and pelvic cavities, the medullary canal, etc.....	16 00

EMBRYONIC DEVELOPMENT OF THE BONES.

Arm of a young subject, disarticulation of bones and epiphysis, a la Beauchene	32 00
Hand and Foot, with epiphysis connected by means of metallic strips, without support, the two.....	20 00
“ with epiphysis connected by means of metallic strips, with support, the two.....	24 00
Leg of a young subject, disarticulation of bones and epiphysis, a la Beauchene	32 00
Pelvis of a young subject with epiphysis, mounted at intervening spaces.....	16 00
Skeleton of a young subject, with its bones and its epiphysis mounted at intervening spaces, support included.....	240 00
Skeleton of a child, disarticulated, showing the points of bony ossification of the epiphysis, according to age.....	24 00 to 32 00
“ of fœtus, with ligaments.....	10 00
“ in embryo, from two to four months.....	10 00
Skeletons, series or nine, of fœtuses, with ligaments, under dome.....	72 00
“ disarticulated of fœtus, all ages, placed in order on a background, each.....	20 00
“ series of six, disarticulated, of fœtuses, 4, 5, 6, 7, 8 and 9 months, placed in order on background.....	96 00
Skull of fœtus, disarticulated, a la Beauchene.....	36 00
“ of fœtus.....	2 00 to 2 50
Vertebræ, series of five, atlas, axis, cervical, dorsal and lumbar, with their epiphyses, each vertebra.....	2 00

SYNDESMOLOGY—ARTICULATIONS WITH THEIR LIGAMENTS.

Skeleton, human, adult, male, with natural ligaments.....	160 00
“ “ “ female, “ “ “.....	160 00



GERMAN ANATOMICAL MODELS.

PAPIER MACHE.

SERIES I.—The Brain.

100	Brain, natural size, vertically divisible with medulla oblongata as well as the nerve-roots.....	\$ 4 05
101	Brain, divisible into four parts, the first ventricle well executed, the rest like 100.....	5 40
102	Brain, divisible into eight parts; the rest like 101.....	7 90
103	Brain, double size, best execution, vertical and longitudinal section, with open ventricles.....	10 80
104	Five sections of brain, considerably enlarged, showing the different layers, all the ventricles are opened; collection..... Beautiful model for demonstration.	56 25
105	Two sections through the ventricles, beautiful preparation, accurately executed with arteries and veins.....	18 00
106	Brain, natural size, totally dismountable, well adapted for teaching purposes.....	33 75
107	Brain, double size, divisible into four parts, the ventricles are opened, with all the arteries.....	18 00

SERIES II.—The Head.

200	Skull on wood base, representing the left half. On removing the calvaria the cerebrum presents itself. The bones of the skull and face are well marked; the eye with muscles and optic nerve is removable; at the roots of the teeth the entering arteries, veins and nerves are visible.....	5 40
201	The half of the head on wood base, showing the superficial muscles, arteries, veins, nerves and glands.....	6 30
202	Head with neck down to the clavicle, the rest like 201.....	6 75
203	Head, natural size, the left half exactly as 201; the right one as 200. The cavity of the skull is open, the brain divisible into eight parts, the base of the skull shows all its details.....	18 90



GERMAN ANATOMICAL MODELS—PAPIER MACHE.

204	Head, natural size, the right side with muscles; the left one representing the skull; the brain divisible into two parts.....	\$13 50
205	Head like 204, the brain divisible into eight parts.....	16 20
206	Head natural size, left side representing 202; right side, the skull and the cervical vertebræ with the disposition of the Art. vertebr. The whole is dismountable and shows the section of head in two aspects. The cavity of the skull is analogous to 203, the brain divisible into eight parts.....	27 00
207	Head, natural size, vertical section, showing the bones of the skull, cavities, cerebrum, cerebellum and medulla oblongata, nasal cavity, trachea, tongue, palate, œsophagus, etc.....	4 50
208	Head, natural size, resembling 203 but in more perfect execution, showing all the arteries, veins and nerves; the roof of the skull is not removable.....	13 50
209	Section through the head with especial regard to the cavities of the nose, mouth and throat. The various epithelia are differently colored. The brain is not represented.....	10 80
210	Section through the head with especial regard to the cavities of the nose, mouth and throat, modeled upon a natural preparation of Prof. A. Fränkel, Berlin. The brain is represented; best scientific execution.....	10 80
211	Muscles of head in relief, three times enlarged, showing all the muscles, arteries, veins and nerves; most perfect execution; beautiful instructive model.....	14 40
212	Left half of the head; muscles with all the superficial nerves; natural copy in most perfect execution.....	16 20
213	Left half of the head with open lateral part and upper and lower jaw. All the nerves of the head are visible. The eye-ball with its muscles, Carotis int. and Vena jug. comm., M. pterygoid. int., turbinated bones. Exactly like the natural preparation.....	45 00

SERIES III.—Organ of Vision.

300	Eye-ball, five times enlarged, with attachment of the muscles divisible into cornea, choroid, vitreous body and crystalline lens.....	4 50
301	Eye-ball as above ten times enlarged.....	8 10
302	Eye in the orbita with nervus opticus besides, like 300.....	5 40
303	Eye in the orbita with nervus opticus besides, like 301.....	9 00
304	Eye in the orbita, ten times enlarged with all the muscles, arteries and veins; the eye-ball is totally dismountable, most perfect execution.....	24 75
305	Eye-ball ten times enlarged, instructive model.....	7 90
306	Eye, vertical section, ten times enlarged showing all the muscles, dissected arteries and nerves. Below the removable sphincter the lachrymal glands.....	54 00
307	Eye-ball, ten times enlarged, dismountable, with microscopic representation of the layers of the retina.....	9 45



GERMAN ANATOMICAL MODELS—PAPIER MACHE.

SERIES IV.—Organ of Hearing.

400	Organ of hearing, five times enlarged, not to be dismantled.....	\$ 4 50
401	Organ of hearing, five times enlarged, with external ear, dismantlable, showing the interior disposition of the parts.....	8 10
402	Organ of hearing, ten times enlarged, dismantlable.....	8 55
403	Organ of hearing, ten times enlarged, with external ear dismantlable.....	11 70
404	Organ of hearing, to be opened, ten times enlarged, the interior apparatus removable and dismantlable.....	13 50
405	Organ of hearing, like 404, with pinna and its muscles, blood-vessels and nerves.....	17 10
406	Os temporale with external ear, its motory muscles five times enlarged, organ of hearing separable, most perfect execution.....	27 00
407	Preparation with nerves and muscles of tongue and ear. Tongue and the organ of hearing in natural size. The opened os temporale shows the whole interior mechanism of hearing. Very instructive preparation.....	31 50

SERIES V.—Organ of Taste.

500	Preparation with nerves and muscles of tongue and ear. Tongue and the organ of hearing in natural size. The opened os temporale shows the whole interior mechanism of hearing; very instructive preparation.....	31 50
501	Tongue, dismantlable.....	2 70
502	Tongue, section, ten times enlarged.....	13 50
503	Larynx with tongue, divisible into five parts.....	7 88

SERIES VI.—Organ of Smelling.

600	Section of the head with especial regard to the cavities of the nose and throat, modeled upon a natural preparation of Prof. A. Fränkel, Berlin.....	10 80
601	Section of the head with especial regard to the cavities of nose and throat, the various epithelia are differently colored. Brain is not represented.....	10 80
602	Nose, considerably enlarged, represented in two halves. The one part represents the bridge of the nose, the other the exterior wall, turbinated bones, etc. All the arteries, nerves and veins are visible; very instructive preparation.....	15 75
603	Three horizontal sections of the head modeled upon a natural preparation of Prof. A. Fränkel. The sections give a true image of the nasal cavity and of all the adjacent parts. Instructive and scientific preparation, unique model.....	27 00



GERMAN ANATOMICAL MODELS—PAPIER MACHE.

SERIES VII.—Organ of Touching.

- 700 Vertical section through the skin, two hundred times enlarged, showing the three principal layers, sebaceous and sweat glands, hair-roots, muscles, arteries and veins. \$ 4 50

SERIES VIII.—Respiratory Organs.

- 800 Larynx, natural size, with muscles, divisible into two parts. 3 15
 801 Larynx, natural size, with cartilages and ligaments divisible into two parts. 3 60
 802 Larynx with muscles, arteries, nerves and glands, dismountable. 4 50
 803 Larynx with tongue, divisible into two parts. 4 95
 804 Larynx with tongue, divisible into five parts. 7 65
 805 Larynx, double size, with muscles, cartilages and arteries, showing the trachea down to the bifurcation; the different muscles are dismountable. 8 10
 806 The cartilages of the larynx, five times enlarged; the model is totally dismountable, the vocal cords are movable. Very instructive preparation for the production of the different sounds. 9 45
 807 Larynx, five times enlarged, divisible into five parts; the muscles are removable. 9 45
 808 Larynx, five times enlarged with a model's section. 15 75
 809 Phantom of the larynx; head with opened mouth; with one sound and four diseased insertions of pharynx and larynx. The latter represent
 1. Acute catarrh of throat and larynx,
 2. Diphtheria,
 3. Tuberculosis of the larynx,
 4. Syphilis of the larynx. 33 75

This preparation is very instructive for objective lessons, at the same time commendable to medical students for the acquisition of the first skill in laryngoscopy.

- 810 Larynx, natural size, with cartilages, muscles, ligaments and thyroid gland. 4 95
 811 Vertical section of the chest. 8 10
 812 Section through chest, neck and arm, model. 8 10
 813 Chest, natural size, opened in front, lungs and heart dismountable, with ramifications of the trachea, arteries and veins and diaphragm 17 10
 814 Lungs and heart, natural size, both dismountable. 11 70
 815 Lungs and heart with their vessels upon a revolving stage. 16 20

SERIES IX.—Vascular System.

- 900 Heart, somewhat enlarged, ventricles and auricles to be opened. 5 85
 901 Heart, natural size, to be opened. 3 15
 902 Heart, enlarged, with ramifications of arteries and veins, to be opened; the different parts are removable. 10 80
 903 Heart, natural size, to be opened; most perfect execution, modelled upon natural preparation; best model for medical men and students 16 20



GERMAN ANATOMICAL MODELS—PAPIER MACHE.

904	Heart, enlarged, separable in two parts, offering a perfect view of the auricles and ventricles.....	\$ 13 50
905	Lungs and heart, natural size, both dismountable.....	11 70
906	Lungs and heart with their vessels upon a revolving stage.....	16 20

SERIES X.—Models of the Trunk.

1000	Trunk, opened in front, lying on a cushion, showing larynx, lungs, heart, diaphragm, stomach, liver with gall bladder, spleen, lesser and large intestines and bladder, section of ribs, clavicle and pelvis.....	6 75
1001	Trunk, opened behind, lying on a cushion, showing œsophagus, lungs with ramifications of the trachea and blood-vessels, stomach, spleen, kidneys, liver, section of bowels and pelvis.....	6 75
1002	Trunk, natural size, without head; abdominal organs exactly as in 1200, lungs and heart dismountable, the large arteries and veins are represented.....	36 00
1003	Trunk, natural size as above, 1002, head and brain divisible, the latter into two parts.....	49 50
1004	Trunk as above, 1003, the brain divisible into eight parts.....	54 00
1005	Trunk, natural size, with head; the brain divisible into eight parts, the lungs into four parts; the larynx is dismountable and divisible into two parts; with thoracic and abdominal integuments.....	67 50
1006	Trunk without head, to be opened in front; lungs, heart, diaphragm, liver, stomach, kidneys, spleen, lesser and large intestines dismountable, 55 centimeters long.....	36 00
1007	Corpse laterally opened; brain perfectly executed, divisible into two parts, cavities of the nose and throat, as well as the tongue and larynx, very instructive, lungs removable, showing the spinal cord, heart with ramification of the vessels, liver with gall-bladder, stomach, spleen, lesser and large intestines, also bladder. A most beautiful model for objective lessons.....	54 00
1008	Trunk standing; to be opened in front, the organs of the chest, lungs and heart in one piece are removable, as well as stomach and spleen	27 00
1009.	Trunk standing on a base, with removable abdominal wall; all thoracic and abdominal intestines are dismountable and removable, the trunk shows on the left side the epidermis, on the right side the superficial layer of the muscles; most perfect execution, most useful preparation to students.....	90 00
1010	Trunk, as above, with head; the brain divisible into eight parts.....	112 50

SERIES XI.—Urinary Apparatus.

1100	Vertical section through the genitals of a frozen male corpse.....	4 50
1101	Kidneys, divisible.....	3 15
1102	Urinary apparatus, natural size, dismountable.....	5 40
1103	Vertical section through the genitals of a frozen female corpse.....	4 50



GERMAN ANATOMICAL MODELS—PAPIER MACHE.

SERIES XII.—Digestive Organs.

1200	Abdomen, natural size, the intestines are dismountable, showing stomach, liver, spleen, lesser and larger intestines.....	\$ 24 30
1201	Stomach divisible.....	5 40
1202	Digestive organs, natural size, 80 centimeters long, schematized, with section of head and chest; stomach, duodenum and large intestine partially opened.....	9 45
1203	Digestive organs, natural size, 80 centimeters long, as above, without section of head and chest.....	5 85
1204	Liver, stomach, spleen, kidneys, large intestine and diaphragm with its ligaments, separable.....	10 80
1205	Transverse section of wall of lesser intestine, showing lymphatic and blood-vessels, two hundred times enlarged.....	8 10

SERIES XIII.—Models of Women.

1300	Model of a woman, natural size, standing on a base, quite new, totally dismountable, muscles and blood-vessels in perfect execution, most beautiful preparation.....	405 00
1301	Model of a woman, natural size, totally dismountable, lying on a cushion.....	247 50
1302	Three models, representing pregnancy, on a small scale, each piece \$4.50; the whole.....	12 15
1303	Vertical section of the genitals of a frozen female corpse.....	4 50
1304	Sexual organs of a woman with dismountable uterus.....	13 50
1306	Female sexual organs, dismountable with two uteri in pregnant condition.....	67 50
1306	Female sexual organs in wax (perfect execution).....	33 75

SERIES XIV.—Bones.

1400	Human skeleton with movable articulations, perfect execution, nature's skillful imitation.....	45 00
1401	Skeleton, as above, with colored indication of the seat of muscles and ligaments with their names.....	67 50
1402	Skull.....	7 45
1403	Skull with exact indications.....	12 60
1404	Skull of a microcephale.....	2 25
1405	Arm with hand.....	6 75
1406	Hand.....	4 05
1407	Leg with foot.....	6 75
1408	Foot.....	9 00
1409	Complete skeleton of the trunk.....	18 90



GERMAN ANATOMICAL MODELS—PAPIER MACHE.

1410	As above with colored indication of the seat of muscles and ligaments with their names.....	\$ 27 00
1411	Pelvis.....	5 40
1412	Pelvis on wood base.....	6 75
1413	„ with colored indication of the seat of muscles and ligaments.....	10 80
1414	Pelvis with ligaments (male or female).....	8 10
1415	„ with hip-joints.....	9 00
1416	Female pelvis with head of the foetus.....	11 25
1417	Knee articulation.....	5 40
1418	Humero-cubital articulation.....	4 50
1419	Head with phrenological terms.....	6 75
1420	Skull of infant.....	5 40
1421	Pelvis of infant.....	5 40
1422	Pelvis of a new-born.....	4 50
1423	Small normal pelvis of porcelain on wood base.....	1 35
1424	Collection of abnormal female pelvises.	
1425	Copies of the collection of pelvises from the Royal Clinic of Midwifery of Berlin.	
1	Pelvis in development.....	8 10
2	Pelvis with exaggerated diameters.....	8 10
3	Pelvis, all the diameters reduced.....	9 00
4	Plain pelvis.....	9 00
5	Rhachitic pelvis.....	9 00
6	Equally diminished pelvis.....	9 00
7	Funnel-shape pelvis.....	9 00
8	Kyphotic pelvis with spinal cord.....	14 40
9	Kypho-scoliotic pelvis with spinal cord.....	14 40
10	Obliquely distorted pelvis.....	9 00
11	Pelvis with narrowed transverse diameter.....	9 00
12	Malacosteon pelvis.....	12 15
13	Pelvis with exostoses.....	9 00
14	Obliquely distorted pelvis from ankylosis.....	9 00
15	Pelvis with narrowed transverse diameter from ankylosis.....	9 00

SERIES XV.—Muscular System.

1500	Model of a complete male body, height, 87 centimeters, pedestal 10 centimeters. Tegument of chest and belly are removable; all the viscera may be taken out; stomach, lungs and heart opened. The muscular layers of arm and leg are represented in three couches, the two superior ones are removable.....	85 50
1501	Model of a complete male body, height 50 centimeters, the rest as 1500	67 50
1502	As 1500, totally dismountable, all the muscles are separable; very exact and careful execution.....	135 00
1503	Figure with muscles, natural size, with all the muscles, arteries, veins and nerves; all the parts are removable and separable, most perfect and scientific execution.....	450 00



GERMAN ANATOMICAL MODELS—PAPIER MACHE.

- 1504 Figure with muscles, without removable viscera.....\$382 50
 1505 Figure with muscles, the peritoneum is not removable, no representation of viscera..... 337 50

SERIES XVI.—Models of Arms and Legs.

- 1600 Arm with muscles, separable in four parts, below natural size..... 9 00
 1601 Arm with muscles, natural size, with the superior layer of muscles... 9 45
 1602 Arm and hand with muscles, natural size, the superior layer of muscles removable..... 20 25
 1603 Hand with muscles, etc..... 3 60
 1604 Leg with muscles, separable in nine parts, below natural size..... 14 85
 1605 Leg and foot with muscles, natural size, with the superior layer of muscles..... 13 50
 1606 Leg and foot with muscles, natural size, the superior layer of muscles removable..... 22 50
 1607 Foot with muscles, etc..... 4 05
 1608 Skeleton of hand with ligaments (on wood base)..... 1 80
 1609 Bones of foot with ligaments (on wood base)..... 2 05
 1610 Section through the knee..... 1 80
 1611 Section through the foot..... 2 05
 1612 Leg with twelve sections..... 31 50
 1613 Arm with twelve sections..... 31 50
 The sections of 1612 and 1613 are exactly parallel and give a perfect view of the anatomy of the particular parts.

SERIES XVII.—Skin and Venereal Diseases.

- 1700 Thirty different models, representing the most important diseases of the skin as Eczema, Herpes, Psoriasis, Acne, Scycosis, etc., etc., on all the parts of the body.
 The preparations are modeled in the clinic for diseases of the skin, (of Dr. Max Joseph Berlin) and are very exact and instructive, per piece, \$4 50 to \$13 00.
 Whole collection..... 180 00
 1701 Twenty different models, representing syphilis in men and women in its different stages on all parts of body. These preparations too are modeled in the clinic of Dr. M. Joseph. Per piece..... 4 50 to 13 50
 Whole Collection..... 112 50

SERIES XVIII—Ethnological Models, Representative of the Heads of Different Races.

- Eight heads, natural size; Caucasian, Mongolian, Negro of Africa and Australia, Indian, Malay, Bushman, Nubian. Beautifully colored, standing on black bases. Per piece..... 4 05
 Whole Collection..... 32 40



GERMAN MODELS OF ANIMALS.

PAPIER MACHE.

These models are well calculated to facilitate the study of the anatomy and physiology of animals in veterinary colleges.

SERIES XIX.—Horse.

1900	Model of a horse, height 72 centimeters, copied at the Royal Veterinary School of Berlin, anatomically true; showing the superficial and deeper layers of muscles and the principal vessels.....	157 50
1901	Model of a horse as above, head, trunk and forefoot dismountable; intestines are removable and dismountable.....	202 50
1902	Model of a horse, fifth part natural size, totally dismountable; new model.....	101 25
1903	Heart of a horse, separable.....	11 25
1904	Model of the heart, most perfect execution.....	27 00
1905	Hoof of a horse, divisible into four parts.....	9 00
1906	Intestinal canal of a horse, schematized.....	10 80
1907	Kidneys of a horse with Aorta and veins.....	9 00
1908	Brain of a horse, divisible into two parts.....	4 05
1909	Genitals of a male horse.....	16 20
1910	Head of a horse, median section, the exterior side with muscles.....	40 50
1911	Model of a head with muscles dismountable; perfect execution.....	112 50
1912	Left hind-leg with all possible blemishes, most perfect execution, separable in many parts.....	54 00
1913	Lungs, with heart separable..... All the intestines of chest and abdomen of the horse, almost natural size, very instructive preparation.....	54 00 247 50
1914	Horses' teeth, in nine stages.....	6 75



GERMAN MODELS OF ANIMALS—PAPIER MACHE.

SERIES XX.—Ox.

2000	Model of an ox, quite new ; height 70 centimeters, showing the superficial muscles and most important blood-vessels. Intestines are removable and dismountable	\$202 00
2001	Model of an ox, fifth part of natural size, totally dismountable, new model.....	101 25
2002	Cow's udder separable.....	9 00
2003	Stomach of a ruminant, separable.....	10 80
2004	Intestinal canal of an ox (schematized).....	13 50
2005	Foot of an ox.....	11 25
2006	Fœtus of a cow.....	10 80
2007	Fœtus of a sheep.....	10 80

SERIES XXI.—Various Models.

2100	Model of an oyster.....	1 80
2101	Section of a leech.....	1 80
2102	Section of a vineyard snail.....	1 80
2103	Skull of a sea-horse.....	9 00
2104	Skull of a gorilla.....	9 00
2105	Skull of a lion.....	9 00
2106	Skull of a bear.....	9 00

SERIES XXII.—Horns.

2200	Head of a stag with horns and oak-crown.....	22 50
2201	Horns of a stag with frontal bone.....	11 25
2202	Horns of a fallow buck with frontal bone.....	10 15
2203	Horns of a reindeer with frontal bone, very large.....	13 50
2204	Head of a roebuck with horns (looking to the left or right).....	6 75
2205	Horns of a roebuck, with frontal bone.....	3 60
2206	Horns of an ibex, 70 centimeters long, with frontal bone.....	8 10
2207	Horns of an antelope, 80 centimeters long, with frontal bone.....	8 10
2208	Horns of a ram, with frontal bone.....	4 50
2209	Horns of a buffalo, with frontal bone.....	7 20
2210	Head of a wild hog, with frontal bone.....	11 25



GERMAN MODELS OF ANIMALS—PAPIER MACHE.

SERIES XXIII.—Show-window and Bandaging Figures.

For show-window decorations and for the application of bandages we recommend:

2300	Show-window's figure, vigorous and muscular man, natural size of papier mache mounted on a pedestal exactly colored, in one piece....	\$ 40 50
2301	Show-window's figure, female, the rest like 2300.....	40 50
2302	As above, with removable arms and legs.....	42 75
2303	Show-window's figure, male or female, 80 centimeters long.....	20 25
2304	Figure for bandaging, wholly of leather, stuffed with horse-hair, strong and indestructible model.....	90 00
2305	Figure for bandaging, knit goods, stuffed with flax.....	67 50

SERIES XXIV.—Phantoms and Parts of Phantoms.

2400	Obstetric phantom after Schultze with legs extended upwards, movable wood-frame, leather apron, wire-frame, four tin linings for the reduction of the size of the pelvis and screws for fixing the frame..	56 25
2401	The same after Schultze-Winkel, with apparatus for gynecological operation and loose buckskin apron.....	60 75
2402	Gynecological phantom with fixed wood frame, short thighs and loose apron.....	45 00
2403	Uterus with joint, of buckskin.....	1 60
2404	Os uteri of rubber, a series of five different numbers.....	13 50
2405	Plate of best rubber for replacing the vulva.....	4 95
2406	A foetus doll with umbilical cord and placenta of buckskin, according to quality.....	6 75 to 10 80
2407	The same of rose-glaze.....	9 00
2408	Obstetrical phantom, after Klautsch, especially adapted for midwifery. Construction upon pedestal, for back and side-position.....	45 00

Polished box \$6.75. Packing \$1.35.

SERIES XXV.—Phantoms of Larynx.

2500 Phantom of larynx of papier-mache with removable insertions of pharynx and larynx; with one normal and four diseased insertions; the latter represent:

1. Acute catarrh of the throat,
2. Tuberculosis of larynx,
3. Diphtheria,
4. Syphilis of larynx.....

33 75

Insertions with other diseases will be most carefully made according to order.

2501	Phantom of larynx after Krause for insertion of a natural larynx...	5 20
2502	The same with skull on pedestal after Tobold.....	13 50



GERMAN MODELS OF ANIMALS—PAPIER MACHE.

SERIES XXVI.—Phantoms of Eyes.

2600	Phantom for demonstration of the ophthalmoscope after Liebreich, extensible stand.....	9 00
2601	Phantom of eye; after Remy.....	9 90
2602	The same with mask, for operating lectures with one eye; after Waldau.	4 50
2603	“ “ “ “ “ “ “ “ with two eyes “ “	5 40
2604	The same with movable stand for one eye.....	6 75
2605	“ “ “ “ “ “ “ “ for two eyes.....	7 20

THE FOLLOWING MODELS ARE MADE OF PLASTER OF PARIS.

1.	Heart, schematized, showing at the same time ventricles and auricles with their openings and valves.....	9 45
2.	Organ of hearing, separable in membrana tympani, ossicles, labyrinth and cochlea.....	10 80
3.	The same only smaller.....	7 90
4.	Teeth; development and structure in the left half of the lower jaw..	5 40
5.	Brain, five representations:	
a.	The circonvolutions.....	4 50
b.	Base with nerves.....	4 50
c.	Vertical section.....	4 50
d.	Horizontal section.....	4 50
e.	Skull with brain separable into several parts.....	13 50
6.	Head with opening of cranial cavity, orbita and mouth.....	9 00
7.	Larynx, anterior face with hyoid bone and thyreoid gland.....	3 60
8.	Larynx, posterior face with glottis and vocal chords.....	3 60
9.	Larynx, with tongue and pharynx, the latter opened behind.....	4 50
10.	Larynx opened behind, showing the cavity of nose and throat.....	9 45
11—14.	Articulations of shoulder, elbow, hand and hip	3 60
15—16.	Articulations of knee and foot	4 50
17.	Trunk with thoracic and abdominal intestines.....	33 75
18.	Section of the head showing brain and the opened cavities of nose, mouth, pharynx and larynx.....	7 20
19.	Arm, a. superior layer of muscles.....	15 75
b.	deep “ “ “	15 75
20.	Leg, a. superior layer of muscles.....	18 00
b.	deep “ “ “	18 00

METAMORPHOSES.

The following preparations demonstrating metamorphoses are preserved in alcohol in cylindric glasses with broad base and ground glass-stopper. After many experiments success has been attained in producing the preparations so that they retain their natural form and color; the alcohol does not cloud even after years. Those metamorphoses designated with * contain only eggs, larvæ and chrysales in small cylindric glasses, all the rest are dry and put together with the former glasses into an elegant air-tight little glass box. Each metamorphosis contains: Eggs or capsules of eggs, larvæ in different stages of development, nymph and imago, showing sometimes their different food, growths on particular parts of plants, galls, etc., transversal sections of galls with visible chamber of the larva.



GERMAN MODELS OF ANIMALS—PAPIER MACHE.

INSECTS.

Tenebrio molitor, Meal worm .

Three larvæ of diverse ages, two chrysalides of diverse ages, two beetles. . . . \$ 3 15

Melolontha vulgaris, Blind beetle :

Two larvæ of diverse ages, one chrysalis, two beetles and one beetle
with extended wings. 5 85

Spondylis buprestoides, Fir-tree-beetle :

One larva, one chrysalis, one beetle. 2 70

Cetonia aurata, Rose-bug :

Three larvæ of diverse ages, one larva from the sheath of the chrysalis,
three chrysalides of diverse ages, three undeveloped beetles from the
sheath of the chrysalis of diverse ages, two beetles 10 80

Apis mellifica, Honey-bee :

Eggs, six larvæ of diverse ages, six chrysalides of diverse ages 8 10

Leptura rubra, Red wasp-beetle :

Three larvæ of diverse ages, two chrysalides and one undeveloped
beetle, two beetles. 7 20

Myrmecoleon formicarius, Lion-ant :

Three larvæ of diverse ages, one chrysalis, one insect. 4 95

Formica herculana, Ant :

Three larvæ without cover, one larva with cover, two chrysalides
without cover, one chrysalis with cover. 3 40

Vespa germanica, Common wasp :

Eggs, six larvæ of diverse ages, six chrysalides of diverse ages, two
insects. 5 85

Cimbex variabilis, Birch-wasp with the parasite cryptus incubitor :

1. Two larvæ of diverse ages, one chrysalis, one insect, 4 50
2. One larva, one chrysalis.

Doryphoro decemlineata, Potato fly :

Two larvæ of diverse ages, one chrysalis, one beetle. 4 05

Bombus terrestris, Humblebee :

Eggs, two larvæ of diverse ages, two chrysalides of diverse ages. 5 65

BATRACHIANS.

Triton taeniatus, Striated salamander :

One spawn, five larvæ. 5 65

Salamandra atra, Black Salamander :

Spawn, 3 embryos, one young animal. 7 20

Rana esculenta, Water-frog :

Two stages of spawn, nine larvæ (tadpoles), two frogs. 7 65

Triton cristatus, Hooded salamander :

One spawn, five larvæ. 8 10



CHAS. TRUAX, GREENE & CO.,

AGENTS FOR THE SALE OF

CLASTIC ANATOMICAL MODELS OF DR. AUZOUX.

These models are superior to all others which have heretofore been invented; the composition of which they are composed is very strong and durable; the number of models which may be formed is very large; and the facility with which one part may be detached from another, as would be done in the dissecting-room, shows the most minute details in the structure of each animal; the parts can also be replaced with equal facility. By this method it is possible to produce the parts which are invisible to the naked eye in greatly enlarged proportions.

Especially in the physiological department are these almost invaluable to the teacher, as the demonstration of the structure of the human body, which can be given with these in a few lessons, is worth months of oral instruction, or illustration by means of charts.

The models are made with a special preparation, which, after being mixed, is run into moulds. It will take the most delicate impression, and on drying acquires a wonderful degree of elasticity and lightness, although as strong as wood.

We would call the attention of our friends and customers to the fact that we make a specialty of these celebrated models, and *have exceptional facilities for furnishing them promptly.*

The popularity of these models, combined with the delicacy and care necessary in their construction, renders the demand for them more than equal to the supply, and there is often considerable delay in getting an order filled, so that the special arrangements which we have with the maker are of great advantage to those ordering through us. Under ordinary circumstances, the time necessary to fill an order for manikins is from four months to a year, which delay is vexatious. But even with our facilities, we would request that orders be sent or inquiries made some time before it is desired to use the manikin.

We also have in stock a number of the models of different parts of the human body. These can be furnished without delay at the prices in the second column of catalogue.

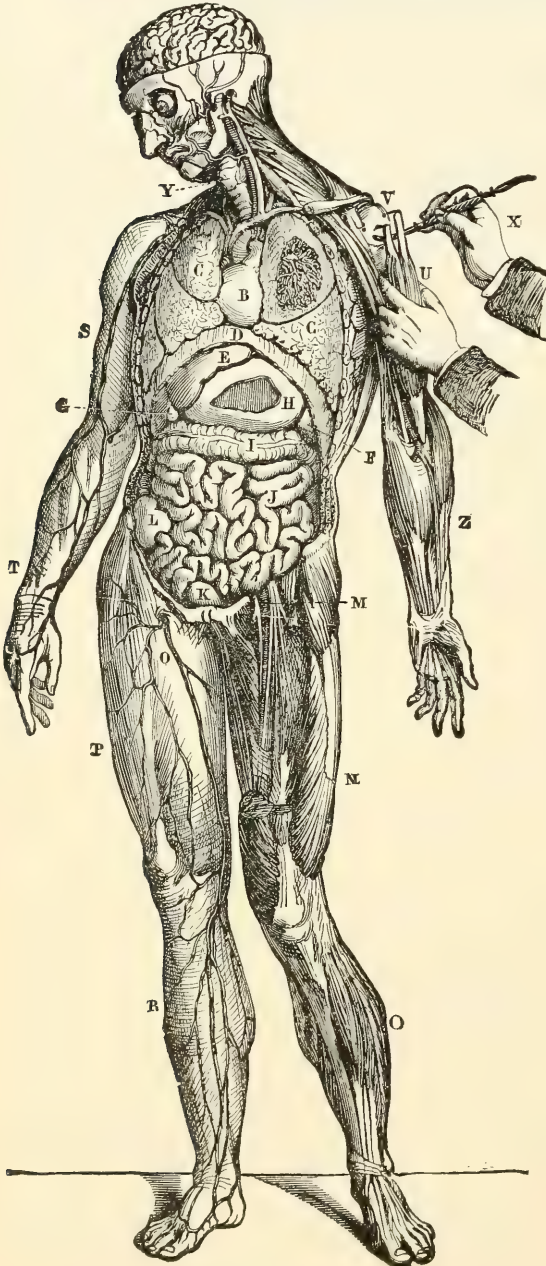
We can import these models and manikins for colleges, schools, and other institutions, having the privilege of duty-free importations, without duty. To those who are not at liberty to import duty free, we will give *terms for special importation; these will be sent on application.* We will require a deposit on orders for importation from parties with whose standing we are unacquainted.

NOTICE.—According to the regulation of the Treasury Department, only the United States and State Governments, universities, colleges, schools, religious, scientific, literary and philosophical societies and institutions, and societies for the encouragement of the fine arts, are entitled to import free of duty, and these must furnish a certificate to the Custom House authorities that the instruments so imported are for their sole use and property. The DUTY-FREE PRICES given in this catalogue are for the use of such organizations only. Further information will be given, if desired.

The second column of prices given are for models taken from our stock, on which duty has been paid. Any samples of these kept on hand will be sold at full catalogue prices.




DR. AUZOUX'S ANATOMICAL MODELS.




Nos. 1 to 4.

DIRECTIONS FOR USING.

Numbers with the sign  indicate that where the parts, to which the former are attached, can be detached; smaller numbers and alphabetic letters indicate the details, for reference to a little pamphlet sent with every model. Usually each piece is kept in place by a curved and straight point, on opposite ends.

The numbers are always affixed to the extremity to which the curved point corresponds; they indicate the order in which the parts are to be separated.

To separate one part from another, the spatula "U" is inserted under the number with the sign , moved to and fro with one hand, while the other hand should draw the organ to be detached carefully to one's self.

To readjust the parts, they must first be placed in their numerical order, beginning with the highest numbers.

The curved points are designated with the same number as the hole into which they are to be introduced.



DR. AUZOUX'S ANATOMICAL MODELS.

N. B.—The word “clastic” is derived from the Greek “Klao,” signifying to break or separate; that is to say, anatomical models which are composed of solid pieces, which can be easily taken apart and put together, one part lifting from the other, as in real dissection.

	Duty free for schools and col- leges on special im- portation. Fr'm stock Duty paid.	
	PRICE.	PRICE.
1. Complete Model of a Male Human Body, five feet ten inches high; composed of ninety-two parts, which may be detached, and exhibiting over two thousand details of the viscera muscles, nerves, blood-vessels, etc.; in fact, all that may be embraced in a complete treatise of anatomy.....	\$750 00	\$1,200 00
Stand, spatula, synopsis, and case for same.....	9 00	14 40
2. Model of a Man, three and a feet high, consisting of the same pieces, and exhibiting the same details as the large model above.....	375 00	600 00
Stand, spatula, descriptive pamphlet, and case for same..	7 00	11 50
3. Large Model of a Man, five feet ten inches high, for teaching physiology in colleges and other educational establishments, representing on one side the muscles and vessels of the superficial layer, and on the other those of the deep layers, besides the organs contained in the splanchnic cavities.....	300 00	480 00
Stand, spatula, descriptive pamphlet, and case for same..	9 00	14 40
4. Model of a Man, three and a half feet high, like No 3.....	187 50	300 00
Stand, spatula, descriptive pamphlet, and case for same..	7 00	11 50
5. Model of a Female Human Body, with the superficial muscles and blood-vessels, and the internal and external organs of generation. The removal of the anterior wall of the trunk discloses the thoracic, abdominal and pelvic viscera, with the internal muscles, nerves and blood-vessels. These may all be removed separately.....	250 00	400 00
Stand, spatula, descriptive pamphlet, and case for same..	7 00	11 50
6. Female Pelvis, with internal and external organs of generation, lumbar vertebræ, diaphragm, muscles, aponeuroses of the perineum, vessels, and nerves.....	75 00	120 00
7. Portion of a Female Pelvis and Two Uteri, showing the human ovum at one and three months.....	37 50	67 50
8. Ovology: A collection or more than twenty pieces, very much enlarged, exhibiting the modifications of the ovum, envelopes, and viteline vesicle from the first to the thirtieth day, viz.: from the appearance of the ovum in the ovary to the formation of the embryo.....	75 00	120 00



DR. AUZOUX'S ANATOMICAL MODELS.

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| 9. Eight Uteri, containing the product of conception at the first, second, third, fourth, eighth, and ninth month, with examples of tubular and ovarian pregnancy..... | \$75 00 | \$120 00 |
| 10. Epyornis Egg (Is. Geoffroy St. Hilaire), natural size, that is, one hundred and forty-eight times larger than a hen's egg—on which, by means of four sections in different directions, may be studied the structure of the egg and the entire development of the germ..... | 37 50 | \$ 67 50 |
| 11. Male Pelvis, showing the aponeurotic fasciæ of the perineum, with the muscles, vessels, nerves, and internal and external organs of generation..... | 75 00 | 120 00 |
| 12. Brain, cerebellum, annular protuberance, and spinal bulb of Man, and the higher vertebrates. This preparation exhibits the details of the cerebral hemispheres, cerebellum, pons variolii, and medulla oblongata, and traces throughout their course the nerve-fibres ascending from the medulla, by means of horizontal sections, made according to the method of Vicq-d'Azyr..... | 37 50 | 67 50 |
| 13. Cerebellum and Spinal Cord, with the anterior and posterior roots of all the spinal nerves..... | 15 00 | 27 00 |
| 14. Synthetic Preparation of the Brain, exhibiting its texture upon an immensely magnified scale. Designed in conformity to the new anatomical indications furnished by Dr. Luys. This model resumes all the researches of ancient and modern anatomists. <i>The student is enabled to follow the course of the nerve-fibres throughout the encephalic mass, and thus to comprehend the mechanism by which external impressions arrive at any given locality of the brain, and by which the will transmits its influence to the various parts of the body. This novel method of studying the brain opens an immense field to the researches of physicians and scientific men.</i> | 75 00 | 120 00 |
| 15. Synthetic Brain, natural size, exhibiting on one hemisphere the textural anatomy, according to the same plan as the preceding; on the other, the sections of Vicq-d'Azyr, demonstrating the details ordinarily described by anatomists..... | 56 25 | 90 00 |
| 16. Dura Mater, with a portion of the base of the cranium, half again as large as life, exhibiting its folds, venous sinus, Pacchionian glands, etc..... | 20 00 | 36 00 |
| 17. Adult Heart, separable into two parts, showing the right and left cavities, muscular fibres, vessels, nerves, orifices and valves..... | 12 50 | 22 50 |
| 18. Heart of Fœtus, large size, separable into two parts, showing the right and left cavities, the foramen ovalis, the Eustachian valve, the arterial canal, etc..... | 12 50 | 22 50 |



DR. AUZOUX'S ANATOMICAL MODELS.

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| 19. Eye, complete, greatly enlarged. Improved model, on which is exhibited not only the muscles, vessels, nerves, membranes, vitreous body and crystalline lens, in separable parts, but also the different microscopic strata of the retina, choroid, and iris, as they are described by modern anatomists..... | \$19 00 | \$30 00 |
| 20. The same divided by a vertical section, and representing its inner half with all the foregoing details, and the disposition of the anterior and posterior chambers, and, in addition, a portion of the orbit, the conjunctiva, the structure of the eyelids, the Meibomian glands, the lachrymal canals and points, the muscles of Horner, etc..... | 20 00 | 30 00 |
| 21. Ear (Temporal bone, two feet long), showing the internal, middle and external ear in their most minute details; the expansion of the auditory nerve, the fenestra ovalis, fenestra rotunda, membranous canals, endolymph, perilymph, double spiral of the cochlea, infundibulum, etc. All parts of this model are separable, and by its means the mechanism of audition may be clearly explained and understood.. | 50 00 | 80 00 |
| 22. Ear (Temporal Bone, half the size of the preceding), showing the ear in the same manner..... | 25 00 | 45 00 |
| 23. Similar preparation, showing, on a greatly enlarged scale, the organ of hearing in birds..... | 20 00 | 36 00 |
| 24. The same, in fishes..... | 20 00 | 36 00 |
| 25. Half of a Human Head, greatly enlarged, showing the smallest details of the base of the brain and cranium, the divisions and anastomoses of the fifth and seventh pairs of nerves, the nervous ganglia, the eye, ear, nasal fossæ, mouth, tongue, pharynx, larynx, with the muscles and blood-vessels..... | 75 00 | 120 00 |
| 26. Larynx, greatly enlarged (half larger than life), with cartilages, muscles, vessels and nerves..... | 6 50 | 11 25 |
| 27. The same, showing the same details, and, in addition, the tracheal artery and the bronchi up to their minutest ramifications..... | 12 50 | 22 50 |
| 27 bis. Cartilages of the Larynx and Vocal Chords only, of the same size as the two above, serving admirably to demonstrate the action of the epiglottis, vocal chords, and the marvelous mechanism for production of the human sound..... | 6 50 | 11 25 |
| 28. Gigantic Larynx (twelve inches long). On this preparation each muscle and cartilage may be separately removed, and its action demonstrated; also the action of the vocal chords, and the mechanism of the voice..... | 37 50 | 67 50 |
| 29. Tongue, in the same proportion, capable of being adjusted to the larynx, and exhibiting the smallest details of muscles, glands, nerves and vessels..... | 37 50 | 67 50 |



DR. AUZOUX'S ANATOMICAL MODELS.

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| 30. Hand, (half-again as large as life), with vessels, nerves, Pacinian corpuscles, portion of the skin with its different layers, and with the muscles, tendons, and fibrous sheaths so disposed as to demonstrate Dr. Duchene's theory of the interosseous and lumbric muscles..... | \$ 50 00 | \$80 00 |
| 31. Gorilla Troglodytes, the largest species of ape existing, of which science possesses but few specimens. All the organs, bones, muscles, vessels, nerves, and viscera, disposed as on the human model, may be separately removed. This preparation greatly facilitates the study of this highly interesting organization, which is destined to throw new light on many anthropological problems..... | 750 00 | 1,200 00 |
| Stand, spatula, descriptive pamphlet, and case..... | 9 00 | 14 40 |
| 32. The same, with merely the bones, muscles, and viscera..... | 500 00 | 800 00 |
| Stand, spatula, descriptive pamphlet, and case..... | 9 00 | 14 40 |
| 33. The same, merely the skeleton..... | 125 00 | 200 00 |

VETERINARY MODELS.

We would call the attention of Agricultural Colleges and Veterinary Schools to the following models, which will be invaluable in giving a clear idea of the construction and anatomy of the domestic animals. The model of the horse, in particular, with the separate models of different parts of diseased conditions, will be found of special value.

- | | Duty free
for schools
and col-
leges. | From
stock. |
|--|--|----------------|
| | PRICE. | PRICE. |
| 34. Arab Horse complete anatomy, exhibiting more than three thousand details, decomposing into ninety-seven pieces; showing on one side the superficial muscles, nerves, and vessels; on the other, the same, removable separately, as in a dissection, from the superficial layer to the skeleton; splanchnic cavities, containing their viscera, which also may be removed and studied separately. This new model of the horse has been adopted in French cavalry regiments, and in all the veterinary and agricultural schools. It has also been purchased by several foreign governments, as a means of imparting anatomical and physiological knowledge, indispensable to the art of horse-breeding.... | \$1,000 00 | \$1,600 00 |
| Stand, spatula, descriptive pamphlet, and case. | | |
| 35. The same, less complete, showing on one side the muscles, nerves, and vessels of the superficial layer; on the other the middle layer and the organs in their respective cavities, separable as in the complete model..... | 500 00 | 800 00 |
| Stand, spatula, descriptive pamphlet, and case | | |



DR. AUZOUX'S ANATOMICAL MODELS.

36.	Thirty Maxillæ, or jawbones, displaying correctly the age of the horse at every period of life, with examples of such malformations as may make the horse appear older or younger.....	\$100 00	\$160 00
37.	Plate displaying in relief the shape and structure of all the teeth of the horse.....	5 00	9 00
38.	Fourteen Maxillæ or jaws of an ox, displaying correctly its age.....	37 50	67 50
39.	Swellings of the bones. Leg of sound horse, divested of the skin and amputated eight inches above the ham, from which different portions of the bone may be removed and replaced by diseased specimens. These, to the number of thirteen, show, in various degrees of development, the osseous swellings known as spavin, curb, ringbone, etc...	37 50	67 50
40.	Leg of a Horse, divested of the skin, with swellings of the bones in place.....	12 50	22 50
41.	The same, covered by the skin, with models of all the various swellings of the bones in place.....	12 50	22 50
42.	The same, in healthy state, covered by the skin.....	12 50	22 50
43.	Skeleton of the leg of horse, twelve distinct bones, each separately removable.....	12 50	22 50
44.	Soft swellings of the leg of a horse; the limb divested of the skin in one half its extent, the skin preserved in the remainder, with instances of soft swellings, windgalls, thorough pins, and capellets.....	12 50	22 50
45.	Foot of a Horse, showing the disposition of the hoof, the "podophyllons" tissue, the vessels, nerves, etc. (all those parts capable of being taken to pieces.....	17 50	31 50
45 bis.	The same, with the hoof separating after the manner of Bracy Clark; showing also the parts to hold the shoe of Charlier's pattern.....	20 00	36 00
46.	Horse's Hoof, separable, according to the plan of Bracy Clark, into the wall-sole, frog and periople.....	8 75	15 75
46 bis.	The same, illustrating the shoeing of Charlier.....	8 75	15 75
47.	Pelvis of Mare, dry bones.....	12 50	22 50
48.	Uterus of Mare, empty, with internal and external appendages, Fallopian tubes, ovaries, etc., the whole fitting into the pelvis.....	20 00	36 00
49.	Uterus of Cow, empty, with its appendages.....	20 00	36 00
50.	The same, with the product of conception at the fourth month	25 00	45 00



FRENCH MODELS.

OBSTETRICAL—MANIKINS.

Manikin in skin, with fœtus and placenta.....	\$ 45 00
“ “ “ abdomen; fœtus and placenta.....	45 00
“ “ “ the large vessels and psoas muscles.....	50 06
“ “ of the entire woman with two fœtuses.....	325 00
Pelvis of woman with ligaments.....	15 00
“ “ with ligaments and its diameters.....	\$15 00 to 20 00
“ “ articulated, with ligaments.....	10 00
Pelvis of man with ligaments.....	15 00
“ “ articulated, with ligaments.....	10 00

COLLECTION OF DEFECTIVE PELTS.

The pelvis, well formed type of man (Vasseur).

“ “ “ “ type of woman (Vasseur).

“ “ deformed by congenital dislocation of the two femurs, child of ten years.

“ “ deformed by bone softening to an advanced degree (Musee Dupuytren).

“ “ deformed by congenital dislocation of the two femurs, adult (Dr. Blandin).

Rachitic pelvis with swelling of the bones in a subject of eighteen years, (Musee Dupuytren).

Rachitic pelvis with slight contraction of upper margin, left lateral deviation of the promontory, adult, (Musee Dupuytren).

Deformed pelvis, retraction of the upper margin, fulness in the lower margin, adult, (Musee Dupuytren).

Deformed pelvis, inward displacement of the ilia, heart-shaped form of upper margin, adult, (Vasseur).

Rachitic pelvis, projection of the sacrum, shrinking of the right diameter of cavity, (Musee Dupuytren).

Rachitic pelvis, projection of the promontory, lateral flattening, heart-shaped form of upper margin, adult, (Professor Dubois).

Rachitic pelvis, left lateral protuberance of sacrum, a sinking corresponding to the ilium of the same side, shrinking of the left oblique diameter of upper margin, adult.

Oblique oval pelvis of M. Nogé, (Professor Dubois).

Deformed pelvis, considerable shrinking of the transverse diameter, pronounced projection of the promontory, (Professor Dubois).

Pelvis deformed by congenital dislocation of one femur only, (Dr. Gravas).

Rachitic pelvis, child, (Vasseur).

Pelvis deformed by spontaneous dislocation of one femur only, (Vasseur).

Pelvis deformed by bone softening to an advanced degree, adult, (Musee Dupuytren).



FRENCH MODELS.

Pelvis deformed in funnel-shape, fulness of superior margin, shrinking of the inferior, (Musee Dupuytren).

Rachitic pelvis, the right side of the upper margin has a diameter of only 3 c. m.

Cæsarean operation has been performed by Professor Dubois.

Rachitic pelvis having occasioned Cæsarean operation, (coming from London).

Rachitic pelvis, same operation by Professor Dubois.

Pelvis by Dr. Hergott.

Pelvis of Guichard of Nantes.

The complete collection.....\$300 00

Each pelvis sold separately.....\$12 50 to 15 00

Head of the fœtus (normal) 3 00

Artificial head of the fœtus (Dr. Tarnier)..... 17 50

Normal skeleton of the fœtus..... 12 50

The pelvis in a soft composition..... 30 00

MODELS.—ANATOMICAL PREPARATIONS.

The nine monthly periods of pregnancy; each uterus opens to show the fœtus and places itself in a dissected pelvis (new model)\$ 600 00

Another collection of the nine months of pregnancy; each one represents the Pelvis from the lumbar to the upper third of the thigh..... 1,000 00

The uterus, opening, exposing on one side the granulation detaching itself from the ovary, on the other side, it is seen falling into the uterus, the deciduous membrane being formed..... 40 00

The uterus at two months' pregnancy showing the umbilical vesicle (new model) 40 00

“ “ at three months of pregnancy..... 45 00

“ “ at six months of pregnancy with its coverings..... 45 00

“ “ at seven months of pregnancy with its coverings..... 50 00

“ “ at nine months of pregnancy with its coverings..... 60 00

Tubal and ovarian extra-uterine pregnancy..... 40 00

Extra uterine pregnancy; uterus of woman recently confined, having a cyste in an ovary for twelve years 45 00

Demonstration of the Cæsarean operation..... 250 00

“ “ “ “ showing the symphysis pubes..... 250 00

Delivery with the forceps (demonstration)..... 250 00

Circulation of the fœtus, with the placenta and its coverings, the umbilical cord, the thymus gland, the heart opens and exposes the ventricles, botals foramen (new model)..... 125 00

Female pelvis, showing the internal and external organs of generation; each organ is detachable to facilitate study, the uterus contains a portion of a two months' gestation..... 200 00

Female pelvis (median cut) with a portion of the column showing the bladder, the uterus, the rectum, the external parts, the kidney is open..... 150 00

Model showing a cut of an enlarged ovary..... 40 00

Model showing a cut of the cuticle of Graaf, enlarged..... 40 00

Model showing the neck of uterus at different periods of pregnancy (new model)..... 50 00



FRENCH MODELS.

MODELS.—NORMAL ANATOMY.

The cranium, with the dura-mater, the sinuses; the meninges injected; external face (new model).....	\$ 50 00
The cranium with the dura-mater, internal face, the separation of the brain with the venous sinuses (new model).....	75 00
The brain covered with the pia-mater.....	50 00
Left hemisphere of the brain, median cut of the corpus collosum, cerebellum and annular protuberance.....	50 00
Division of the dura-mater and of the arachnoid; this one transparent, exposes the falx cerebri as also the sinuses.....	75 00
The anatomy of the brain in twelve pieces, showing the base, horizontal, vertical and longitudinal cuts, exposing the position of the oval centers, internal capsule, etc., etc.....	200 00
Several other cuts of the brain and spinal marrow.	
Brain and spinal marrow, in connection with the spinal column, showing the origin of cranial spinal nerves, the jagged ligament, the brachial plexus, the lumbar and sacrum; on one side can be seen the dura-mater as a cover to the spinal nerves (new model)	200 00
The medulla oblongata enlarged (after Mathias Dural)	40 00
The cephalo-spinal nerve center (after Dr. Cruveilhier) representing the large sympathetic nerve on each side of the vertebral column.....	250 00
The great sympathetic nerve, (after Drs. Cruveilhier, Bourguery and Ludovic Hirshfeld).....	750 00
The great sympathetic; same model as the preceding, with the column, heart, the breast transparent, exposing the spinal marrow, with the origin of the spinal nerves, the ventricles of the heart as also the renal vessels.....	800 00
Portion of the spinal marrow, lateral side view, showing the organs of the spinal nerves (new model).....	40 00
Base of the cranium with 12 pairs of nerves.....	50 00
The nerves of the orbital region, composed of the 1st, 2d, 3d, 4th, and 6th pair of nerves with the ophthalmic branch of the 5th, and the ganglions (new model).....	35 00
Same preparations as above with the eye and the muscles (new model).....	50 00
Same preparations as above with the eye, and muscles, arteries and nerves (new model).....	60 00
5th pair of nerves complete.....	20 00
5th pair of nerves in connection with the internal maxillary artery.....	30 00
7th pair of nerves or facial, its distributions with muscles (new model).....	50 00
The ophthalmic ganglion and its accessories (new model).....	20 00
The Spheno-palatum ganglions (new model).....	20 00
The optic ganglion (new model).....	20 00
The upper cervical ganglion (new model).....	50 00
The head, the chest, with the 9th, 10th, 11th and 12th, pair of cranial nerves in connection with the arteries, anastomoses, the course of the pneumogastric up to its termination (new model).....	225 00
Half head with the distribution of the seven first pair of nerves, the cephalic portion of the five others.....	50 00



FRENCH MODELS.

Whole head with the nerves on one side, their distribution, the eye and the muscles on the other side, the arteries in relation with the veins, sinuses, etc.....	\$100 00
The cervical plexus in relation with the arteries.....	75 00
The brachial plexus in relation with the arteries.....	75 00
The lumbar plexus in relation with the arteries (new model).....	75 00
The sacral plexus in relation with the arteries (new model).....	75 00
The lumbar and sacral plexus (new model).....	125 00
The brachial plexus, the nerves of the thoracic duct up to the termination with the arteries (new model).....	150 00
The lumbar plexus and sacral plexus, the nerves of the abdominal duct up to the termination, with the arteries in relation (new model).....	200 00

MODELS.—ORGANS OF SENSE.

The organs of hearing and of taste, their relations by the cord of the sympanum anastomoses (new model).....	40 00
The organ of smell, represented by the anatomy of the nasal fossa (new model).....	50 00
The organs of taste and smell of the carotid pharyngeal plexus, etc., this preparation is larger than nature.....	150 00
The eye (enlarged 20 times) with membranes displaying vitreous humour..	30 00
Vertical section of the eye, displaying the anterior and posterior chambers, the membranes and their thickening, the ciliary process, etc., etc.....	30 00
Complete section of the eye in 13 plates.....	250 00
The ear (enlarged 5 times) representing the external ear, its cartilage and muscles; the middle ear with small bones, eustachian canal, tympanic cavity; internal ear, semi-circular canals, cochlea, vestibule and nerves..	40 00
Part of the ear enlarged, showing the semi-circular canals closed (new model).....	25 00
The same preparation as above, with the semi-canals open, the mucous membrane which lines the interior (new model).....	35 00
Another model showing the cochlea open, spiral duct, with distribution of the auditory nerve (new model)	45 00
The sense of touch; the thoracic extremity (new model).....	80 00

MODELS.—CIRCULATION.

The heart with the large vessels, opening to expose to view the ventricles...	40 00
The heart, the aorta, the arteries given off, the pulmonary vessels, origin of the vereo porta (new model).....	225 00
The heart of the fetus showing the foramen of botal and the arterial canal	25 00
The arteries and veins leaving the heart at the upper region of the portion of the neck and head (new model).....	150 00
The head with the arteries on one side, the veins on the other.....	75 00
The half head, with the arteries and veins in relation.....	50 00
The head with the arteries and veins on the one side, the cranial nerves on the other.....	100 00



FRENCH MODELS.

Half head with the arteries	\$ 45 00
“ “ “ “ veins.....	45 00
The internal maxillary and facial arteries, their collateral branches.....	25 00
The maxillary arteries with the corresponding veins	35 00
The arm, the arteries and veins from thoracic portion, from shoulder blade to extremities (new model).....	100 00
The leg, arteries and veins of the abdominal portion from the hip to the great toe.....	112 50
Pelvis, arteries and veins (new model)	50 00

MODELS.—DIGESTION.

Complete apparatus of digestion, from the mouth to the anus, its annexes, comprising the tongue, salivary glands, pharynx, œsophagus, stomach, intestines, liver, pancreas, spleen, etc.....	300 00
The intestinal canal, with the nerves, glands, sanguinous and lymphatic vessels	125 00
In a subject of fifteen years are shown by a median cut of the trunk: 1st, the nerve stria of the brain, the spinal marrow, and the origin of the spinal nerves. 2nd, respiration by nasal fossa, the windpipe, the lung and the bronchea. 3rd, digestion by the cheek cavity, salivary glands, œsophagus, stomach, liver, pancreas, intestines from the pylorus to the rectum. 4th, circulation by the heart, the pulmonary vessels. 5th, the genito-urinary organs. In mould, painted.....	90 00
Same preparation in wax.....	500 00

MODELS.—RESPIRATION.

Larynx, the windpipe opening, showing the vocal cords and muscles.....	30 00
Pulmonary system, in relation with the heart	100 00

MODELS.—GENITO-URINARY ORGANS.

Male pelvis and lumbar portion, representing all the organs dependent on the urinary passages and generation; the organs open to expose the interior, cut of penis, kidney.....	75 00
Male urinary apparatus represented by the bladder, the penis open, Cowper's glands, the prostate, the vesiculæ seminales.....	30 00
Median section of a male pelvis with the kidney open.....	125 00
The pubis of a man with the internal and external organs of generation (new model).....	75 00
Female pelvis, holding all its organs, viz., the kidneys, uterus, bladder, rectum, etc.....	200 00
Section of female pelvis and all its organs.....	125 00
Female pubis with external and internal organs of generation.....	75 00
The mammary gland, with the milk ducts, a section to show the structure of the gland.....	75 00

MODELS.—DIFFERENT ANATOMICAL PREPARATIONS.

Median, section of a head and neck showing the separation of the nasal fossa, the section of the larynx, pharynx, tongue and the brain.....	75 00
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FRENCH MODELS.

Bust, representing on the right side, all the muscles of the head, the face, neck, (superficial layer), the deep seated nerves for each muscle with the arteries, the left side represents the eye and its muscles, convolutions of the brain, origin and distribution of all cranial nerves, internal ear, middle layer of the muscles of the neck (new model).....	\$ 200 00
The same as the preceding for the right side, the left side shows a section of nasal fossa, distribution of the olfactory nerve, opening of buccal cavity, tongue, entrance of the pharynx, larynx, convolutions of the brain, middle layer of the muscles of the neck with vessels and nerves..	200 00
The head with the upper portion of the thorax, representing the heart, large vessels, pharynx, trachea and its branches; the cranium shows brain with nerves.....	200 00
Bust of a man, representing the muscles of the face and neck, with vessels and nerves.....	175 00
Bust of a young woman, representing the muscles of the face, neck and chest, mammary gland with vessels and nerves.....	175 00
Anatomy of the arm, superficial layer from the shoulder to the fingers.....	225 00
Anatomy of the leg, superficial layer from the hip to the big toe.....	250 00
Dissection of female abdomen, all the organs detachable, the internal and external genital organs are represented (new model).....	500 00
Complete dissection of the organs contained in the chest, the abdomen, the pelvis from the head to the middle thigh, all dissected.....	750 00
The general anatomy of the superficial layer of muscles (ordinary size).....	1,500 00
The general anatomy of the middle and deep layers of muscles.....	1,750 00
Male subject, natural size, composed of 80 pieces, the skin lifts off as also the muscles of the superficial layer, displaying the deep layers. The abdomen can be opened, also the chest, each separate layer can be taken out, the brain, of which there are several sections, are detachable from the base of the cranium.....	1,500 00
Same as above on a female subject.....	1,500 00

MODELS.—HERNIA.

Hernia of the intestine and omentum.....	50 00
“ partial intestinal.....	50 00
“ umbilical.....	150 00
Tumour and crural hernia in a woman.....	50 00
Considerable hernia in an old man, showing by dissection, the derangement of the different organs contained in the abdomen, (Musée Dupuytren)..	150 00

MODELS.—EYES AND EYELIDS.

Collection of 100 plates, united in five frames, lined with velvet or in cardboard boxes, one-half bound. The collection.....	750 00
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MODELS.—TYPICAL COLLECTION OF SYPHILITIC AND VENEREAL DISEASES.

Erosive syphilitic chancre.....	\$30 00
Early commencement of syphilitic chancre.....	30 00
Papula syphilitic chancre.....	30 00
Cupeliform syphilitic chancre.....	30 00
Scabby syphilitic chancre.....	30 00



FRENCH MODELS.

Malignant syphilitic chancre.....	\$30 00
Syphilitic chancre of the nose.....	30 00
“ “ of the finger.....	22 50
“ “ of the breast.....	20 00
“ “ “ (shape of herpes).....	30 00
“ “ “ lower eyelid.....	25 00
“ “ “ tongue.....	25 00
“ “ “ lip.....	25 00
“ “ “ anus.....	25 00
“ “ “ neck of the uterus.....	10 00

MODELS.—VENEREAL DISEASES.

Gonorrhoea in man.....	30 00
Plain gangrenous chancre with glans-penis (open).....	30 00
“ “ “ of the foreskin.....	30 00
“ “ “ “ vulva.....	30 00
“ “ “ “ neck of the uterus.....	10 00
Herpes of the vulva.....	30 00
Herpes of the neck.....	30 00
Herpes of the foreskin.....	30 00
Ulcerations of the glans.....	30 00
Fall of the womb with ulceration resembling syphilis.....	30 00
Fungous excrescence of the vulva.....	30 00
Chronic inflammation of the vagina.....	15 00
Fungous excrescence of the neck.....	10 00
Tumour of testicle.....	30 00
Cancer of the foreskin.....	30 00
White and flat ulcerations of the vulva.....	30 00
Herpes of the foreskin and of the scrotum in childhood.....	25 00
Plain bulbous chancres (two plates at fifteen days distance).....	40 00

MODELS.—SKIN DISEASES.

Measles on the face of a child.....	25 00
Roseola œstivalis on the face of an adult.....	30 00
Exanthematous roseola on thigh and belly.....	30 00
Malignant scarlatina (thigh).....	30 00
Simple erysipelas on the face.....	30 00
Gangrenous erysipelas on the face and scalp.....	30 00
Pimply rash on forearm and wrist.....	25 00
Erythema nodosum on leg and knee.....	30 00
Urticaria on dorsal side of hand.....	22 50
Subcutaneous urticaria in wrist and forearm.....	25 00
Pyrexia on the chest, neck and maxillary region.....	35 00
Impetigrous eczema on the scalp.....	30 00
Simple eczema in the palm of the hand.....	25 90
Herpes roster on the belly.....	25 00
Herpes circina lupus form in rings on the cheeks.....	25 00



FRENCH MODELS.

Herpes iris on hand and fingers.....	\$ 20 00
Herpes vulgaris on the vulva of an adult woman.....	30 00
Scabies on the hand.....	20 00
“ on the forearm.....	25 00
Simple scabies at the commencement on hand and forearm.....	22 50
Scabies with eczema complication on forearm.....	22 50
Scabies with phlyzaceous pustules and impetigo on the hand.....	20 00
Acute pemphigus on the thigh and knee.....	30 00
Chronic pemphigus all over the leg.....	30 00
Simple rupia on the arm.....	25 00
Projecting rupia on the thigh.....	25 00

MODELS.—CLINIQUE OF DISEASES OF THE NERVOUS SYSTEM.

A collection composed of 24 hands in wax, comprising :

Chronic Rhumastin.....	plates, 4
Gout.....	“ 1
Lateral sclerosis.....	“ 2
Leprosy.....	“ 3
Bone softening.....	“ 1
Infantile paralysis.....	“ 1
Icleroderma (skin hardening).....	“ 7
Hysterical contraction.....	“ 1
Shaking palsy.....	“ 1
Athetosis.....	“ 2
Claw-hand, following a burn.....	“ 1
The collection of 24 plates.....	450 00

MODELS.—INTERNAL PATHOLOGY.

LESIONS OF THE STOMACH.

Perforation of the stomach of the girl, Goree (Musee Dupuytren).....	30 00
Cancer—the interior of a stomach, where is seen, a fungus and carcinomatous tumour (Musee Dupuytren).....	30 00

LESIONS OF THE INTESTINES.

A rectum open, showing a fungus tumour which is developed there (Musee Dupuytren).....	30 00
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LESIONS OF THE LIVER.

A plate representing a tuberculous affection of the liver and stomach (Musee Dupuytren).....	35 00
Liver having a tumour situated on its internal surface (Musee Dupuytren).....	35 05

LESIONS OF THE SPLEEN.

Cancer—Spleen in which are developed the tubercles.....	17 50
Cancer—Spleen affected with melanosis, taken from the dead body of a woman 69 years old (Musee Dupuytren).....	17 50



FRENCH MODELS.

LESIONS OF PERITONÆUM.

Cancer—Tuberculous affection of peritonæum developing itself on a young boy, without any trace of inflammation (Musee Dupuytren)..... \$ 65 00

LESIONS OF THE LARYNX.

Croup.—Larynx and trachea of a child, died of croup at five years old. A false membrane lines the interior of these organs..... 10 00

LESIONS OF THE THYROID.

The thyroid body disorganized to an advanced stage. The larynx was also attacked, (Musee Dupuytren)..... 20 00

LESIONS OF THE PLEURA.

Ossification of the pleura covering two ribs, (Musee Dupuytren) 12 50

LESIONS OF THE LUNGS.

Two lungs spotted with tubercles. The tubercles can be seen on the interior of the auricles and ventricles of the heart..... 40 00

LESIONS OF THE HEART.

The heart, of which the base is the seat of an aneurism..... 10 00

The heart, of which the aortic valves are in part ossified; the opening of the aorta is shrunk and there is dilatation of the left ventricle, (Musee Dupuytren)..... 25 00

LESIONS OF THE ARTERIES.

Aorta—Considerable dilation of the cardiac end of the aorta, with a perforation situated towards the brachio-cephalic artery, this opening communicates the aorta with a tumour of large size placed on the convexity of the curvature, (Musee Dupuytren)..... 25 00

LESIONS OF THE UTERUS.

Polypus—Fibrous tumour found in the uterus. This tumour was internally divided into many divisions, (Musee Dupuytren)..... 30 00

The inversion of the uterus, (Musee Dupuytren)..... 20 00

Fungous—Fungous ulcer of the neck of the uterus, (Musee Dupuytren)..... 20 00

MODELS.—DISEASES OF THE URINARY ORGANS.

Kidneys—On the interior and surface of which are developed numerous cysts..... 17 50

Fungous developed on the internal and anterior surface of the bladder, above its neck. This organ is open to show the disease, (Musee Dupuytren)..... 17 50

MODELS.—CANCERS.

Cancer on a woman's forehead; the frontal sinuses are partly destroyed, (Musee Dupuytren)..... 25 00

Cancer of the nose, forming a large projection, (Musee Dupuytren)..... 25 00

MODELS.—CARIES.

Caries and necrosis of the frontal nasal and superior maxillary bones, (Musee Dupuytren)..... 25 00



FRENCH MODELS.

MODELS.—CASE OF GLANDERS IN MAN.

A man's head attacked with glanders. Several gangrenous patches are observed, especially towards the root of the nose, on the forehead and orbits. The upper eyelids were tumefied and touched with gangrene. On several other parts of the body of the patient, pustules could be seen in different stages of development, (Dr. Andral, Hospital de la Charitie)..	\$ 30 00
A vertical section of the head on a subject attacked with glanders; the interior of nasal fossa and pharynx are seen, which are covered with ulcerations, a purulent mucous secretion lines the nasal fossa, and a gangrenous patch is observed on the roof of the palate (Professor Breschet, Hotel Dieu).....	30 00

MODELS.—DEFECTS OF DEFORMITY AND MONSTROSITY.

External organs of generation of a subject looked upon as a hermaphrodite (Musee Dupuytren).....	25 00
The pelvis, showing the internal and external organs of generation of a subject supposed to be a hermaphrodite (Musee Dupuytren).....	60 00
Another pelvis, giving the same organs with deviation (Musee Dupuytren)...	60 00
Hare-lip-double (Musee Dupuytren).....	25 00
Bust of a fetus, with one eye in middle of forehead.....	25 00
Fœtus having a spongy substance projecting out of its mouth (Musee Dupuytren).....	30 00
Brainless head of fetus, the integuments are removed.....	15 00
Horn—a horny substance, having developed on forehead of a woman eighty years old, and having attained four years after 23 c.m. in length.....	25 00
Horn projecting on the right cheekbone of a man, forty years old, and having attained 8 c. m. length.....	25 00
Fœtus developed in the abdomen of a young man, who died at fourteen years old.....	30 00
Phenomena on a subject of fifteen years old, having 3 legs, specimens in plaster.....	30 00
Plaster bust of hydrocephalus (water on the brain).....	10 00
Plaster bust of a fœtus born without a brain.....	10 00

MODELS.—PHRENOLOGY.

Human skull natural size, with description by Drs. Gall and Spurzheim....	15 00
Skull in alabaster with the same descriptions.....	7 50
“ in papier mache with descriptions.....	12 50
Bust, natural size in alabaster with descriptions.....	7 50
“ “ “ in papier mache with descriptions.....	10 00
“ “ “ in alabaster, with brain uncovered on one side and the descriptions of Spurzheim on the other.....	7 50
The same in papier mache.....	12 50
Bust half size in alabaster, with descriptions by Drs. Gall and Spurzheim...	5 00
The same in papier mache.....	7 50
Bust of middle height in alabaster, half bust, half cranium with descriptions	5 00
The same in papier mache.....	7 50
Small bust in alabaster, detailed.....	20 00



AMPUTATING AND GENERAL OPERATING INSTRUMENTS.

BISTOURIES, see Knives, page 1060.	
BLOW PIPE, self-acting, with frame for cauteries.....	\$ 3 00
BLUNT HOOKS, see Retractors, page 1062.	
BONE STAFF, Blandin's.....	2 25
Prince's.....	2 50
BUTTONS, Intestinal, Murphy's; set of three. See page 1086.....	10 00
CARRIER, for Buck's pins.....	1 00
For chain saw, Fig. 2569.....	1 50
CATLINGS, small, aseptic handle, Fig. 2315.....	2 25
Medium, aseptic handle.....	2 50
Large, aseptic handle.....	3 00
CHISELS, best, aseptic, Fig. 2468.....	65
Best, aseptic, extra large, Fig. 2468.....	1 00
Darby's set, with levators and gouges, aseptic handle, Fig. 2479.....	5 00
Dolores', aseptic, Fig. 2470.....	2 75
Leonhardt's.....	1 15
Macewan's, aseptic, any size, Fig. 2453.....	2 25
Von Brun's, aseptic, Fig. 2447.....	1 25
CLAMP, Intestinal, Knapp's, aseptic, Fig. 2304.....	1 00
Bandage, Esmarch's.....	55
" Langenbeck's, Fig. 2626.....	1 00
COMPRESSOR, Artery, Langenbeck's, Fig. 2531.....	50c. to 75
Artery, Levis', Fig. 2536.....	25
" Milne's, Fig. 2534.....	1 10
Arterial, see also Forceps, page 1057.	
COSTOTOMES, see Shears, page 1064.	
CURETTES, Bone, see Scoops, page 1064.	
Sinus, Delatour's.....	1 25
PILATOR, Bigelow's, sinus, Fig. 2307.....	4 50



AMPUTATING AND GENERAL OPERATING INSTRUMENTS.

DIRECTORS, Steel, sharp, spear point, Fig. 2522.....	\$ 90
Steel, probe point, Little's, Fig. 2523.....	90
“ and tongue tie, Fig. 2521.....	75
Metal and aneurism needle, Fig. 2524.....	40
“ “ ear spoon.....	40
“ “ tongue tie, Fig. 2521.....	40
“ “ “ “ probe pointed, Fig. 2525.....	75
DRILLS, Bone, Brainard's, set of 5, Fig. 2509, aseptic handle.....	2 50
Bone, Collins', complete set, in morocco case, Fig. 2506.....	22 50
“ Fluhrer's, for wiring bones.....	1 50
“ Gaillard's, for ununited fractures, Fig. 2527.....	1 90
“ Hamilton's, guarded, per set, Fig 2507, aseptic handle.....	4 00
“ Howard's.....	5 25
“ Langenbeck's set, aseptic, Fig. 2508.....	4 50
“ Pope's Antrum, aseptic, Fig. 2516.....	2 50
“ Wyeth's, with adjustable handle.....	4 00
DISSECTOR, Allis', dry, aseptic.....	1 00
Dissector, Hamilton's, dry, aseptic. Fig. 2499.....	1 00
ELEVATOR and Raspatory, aseptic. Fig. 2504.....	1 00
Periosteotome, Goodwillie's, for roof of mouth, straight or curved, each	1 50
“ Van Arsedale's set, aseptic, Fig. 2480.....	4 50
EXSECTORS, Gowan's.....	18 00
Wyeth's, Fig. 2439.....	15 00
FORCEPS, Artery, plain, spring, 3¼ inch, aseptic.....	45
Artery, plain, spring, 4½ inch, aseptic Fig. 2103.....	50
“ “ “ 5 “ “	65
“ “ “ 5½ “ “	85
“ “ “ 6 “ “	1 00
“ “ “ “ separable blades; 3¾ inch, aseptic.....	75
“ “ “ “ “ 4½ “ “ Fig. 2101....	80
“ “ “ “ “ 5 “ “	95
“ “ “ “ “ 5½ “ “	1 10
“ “ “ fine points, separable blades, aseptic, Fig. 2106.....	90
“ “ “ mouse tooth, aseptic, Fig. 2108	75
“ “ “ “ separable blades, aseptic, Fig. 2107.....	1 00
“ “ “ Owens', mouse tooth, Fig. 2116.....	1 00
“ “ “ self-grasping, Allis', curved, Fig. 2537.....	1 10
“ “ “ “ needle point, Fig. 2538.....	1 25
“ “ “ “ straight.....	1 25
“ “ “ “ tenaculum, small, Fig. 2535.....	1 00
“ “ “ fenestrated, Fig. 2093.....	1 50
“ “ “ Milne's, Fig. 2534.....	1 10
“ “ “ slide catch, Andrews', aseptic, Fig. 2112.....	1 75
“ “ “ “ Bigelow's, with slide.....	2 25
“ “ “ “ bulldog, Fig. 2830	1 25
“ “ “ “ “ and needle holder, Fig. 2832.....	1 50



AMPUTATING AND GENERAL OPERATING INSTRUMENTS.

FORCEPS, Artery, slide catch, Charriere's, tortion, aseptible, Fig. 2114.....	\$ 1 50
Artery, slide catch, Dugas'	1 15
“ “ “ Esmarch's bulbous.....	1 50
“ “ “ fenestrated.....	1 50
“ “ “ Fricke's, Fig. 2111.....	1 50
“ “ “ “ with separable blades, Fig. 2110, aseptible	1 75
“ “ “ Luer's, aseptible, Fig. 2113.....	1 50
“ “ “ Truax's, aseptible, Fig. 2086.....	1 75
“ “ “ Walcher's, aseptible, Fig. 2109.....	1 50
“ “ “ Wyeth's (same as Luer's), aseptible, Fig. 2113.....	1 50
“ snap catch, Byford's, heavy, single curved, aseptible, Fig. 2158	2 00
“ “ “ “ double “ “ Fig. 2125	2 25
“ “ “ “ T-shape, aseptible, Fig. 2170.....	2 50
“ “ “ Ethridge's, aseptible, 4½ inch	1 25
“ “ “ “ 6 inch, Fig. 2180.....	1 75
“ “ “ “ 8 “	2 50
“ “ “ Faenger's, 6-inch, curved jaw, aseptible, Fig. 2205	1 75
“ “ “ “ 8 “ “ “ “ Fig. 2207	2 25
“ “ “ Forbes', aseptible, Fig. 2177.....	2 25
“ “ “ Hahn's, aseptible,	1 50
“ “ “ Koeberle's.....	1 85
“ “ “ Leonard's retractor, aseptible, Fig. 2168.....	2 75
“ “ “ Little's, aseptible, Fig. 2132.....	1 50
“ “ “ Owen's retractor, aseptible, Fig. 2133	2 25
“ “ “ Pean's, aseptible, 3¼-inch.....	1 00
“ “ “ “ 4½ inch, Fig. 2131.....	\$1 00; doz 9 00
“ “ “ “ 5 “	1 25
“ “ “ “ curved jaw, Fig. 2174	1 25
“ “ “ “ heart-shape jaw, Fig. 2176.....	2 00
“ “ “ “ T-shape jaw, Fig. 2157.....	2 00
“ “ “ “ triangular, Fig. 2175.....	2 00
“ “ “ Pratt's, aseptible, Fig. 2129.....	1 50
“ “ “ “ long, Fig. 2127.....	1 75
“ “ “ “ “T,” Fig. 2156.....	2 00; doz 21 00
“ “ “ “ V-shape, Fig. 2128.....	2 25
“ “ “ “ compression, curved on side, aseptible, Fig. 2201.....	2 00
“ “ “ “ compression, curved on flat, aseptible, Fig. 2211.....	2 25
“ “ “ “ compression, straight, 8-inch, aseptible, Fig. 2210.....	2 50
“ “ “ Senn's, aseptible, Fig. 2209.....	1 50
“ “ “ “ bulbous, Fig. 2154.....	2 25
“ “ “ Skene's, aseptible, Fig. 2130.....	1 75
“ “ “ Spencer Wells', aseptible, Fig. 2152.....	\$1 25; doz 13 50



AMPUTATING AND GENERAL OPERATING INSTRUMENTS.

FORCEPS, Artery, Snap catch, Smith's straight or curved, aseptic, Figs. 2204, 2206 and 2208, three patterns.....		each \$ 2 00
Artery, snap catch, Tait's, aseptic, Fig. 2153.....		\$1 25; doz 13 50
" " " " curved, aseptic, Fig. 2155.....		1 50; doz 16 50
" " " Thomas', hæmostatic		1 85
" " " Thornton's, straight, aseptic.....		2 25
" " " " T, aseptic, 4 inch, Fig. 2173.....		2 00
" " " " T, " 5 inch.....		2 25
" spring-catch, fenestrated bulldog, Fig. 2092.....		1 25
" " Hamilton's		1 50
" " Liston's, Fig. 2115		1 00
" " Maclean's, Fig. 2088		1 25
" and Scissor combined, Old's, aseptic.....		1 50
Bone Cutting, Charriere's, aseptic, Fig. 2258		4 00
" Hamilton's, serrated, very heavy, aseptic, Fig. 2271..		6 00
" Huel's.....		2 65
" Isaacs', bayonet shape.....		2 50
" Liston's, best, no spring, aseptic, Fig. 2246.....		1 85
" " " with spring, aseptic, Fig. 2246.....		2 00
" " " extra large, with spring, aseptic.....		2 50
" " angular bent, aseptic, Fig. 2248.....		2 25
" " curved on the flat, aseptic, Fig. 2247.....		2 25
" Satterlee's, aseptic, Fig. 2249.....		2 00
" Velpau's, aseptic, Fig. 2291.....		3 00
Bone holding, lion jaw, Ferguson's, aseptic, Fig. 2258.....		2 25
" Darby's, aseptic.....		3 00
" Farabeuf's, aseptic, Fig. 2262.....		4 50
" Hamilton's, aseptic, Fig. 2290.....		3 00
Bone gouging Luer's, straight, aseptic, Fig. 2285.....		2 50
" " curved, aseptic, Fig. 2286.....		2 50
" Andrews', aseptic, Fig. 2287.....		3 00
" Carl Beck's microcephalus, aseptic, Fig. 2280.....		3 00
" Darby's, aseptic, Fig. 2289		3 00
" Hoffman's, aseptic, Fig. 2283.....		3 00
Bone Sequestrum, curved jaws, aseptic, Fig. 2301.....		1 85
" " duck bill jaws, aseptic.....		1 85
" " Ferguson's, aseptic.....		1 85
" " Hamilton's, aseptic, Fig. 2303.....		1 85
" " Markoe's, aseptic.....		1 85
" " Van Buren's, aseptic, Fig. 2302.....		2 00
Hæmostatic, see Artery Forceps, page 1057.		
Luxation, see page 691.		
Needle cutting, Stimson's		2 75
Needle holding, see page 797.		
Tenaculum, see Index.		
Toe Nail, Post's, aseptic, Fig. 2300.....		2 00
Trepanning and Sequestrum, Van Buren's, aseptic, Fig. 2302.....		2 00



AMPUTATING AND GENERAL OPERATING INSTRUMENTS.

FORK, Fluhrer's, for wiring bones	\$ 2 25
GENU VALGUM, set, aseptic, Fig. 2515	7 50
GOUGES, plain, aseptic, Fig. 2448	75
With double curve, aseptic, Fig. 2467	1 15
To use with hand, aseptic, Fig. 2469	1 00
Circle, Fig. 2495	2 00
Darby's set, with levator and chisels, aseptic, Fig. 2479	5 00
Dolore's, aseptic, Fig. 2470	2 75
Luer's, left, aseptic, Fig. 2460	2 00
" right, " Fig. 2461	2 00
McEwan's, three sizes, aseptic, Fig. 2454	2 50
" " curved, aseptic, Fig. 2456	2 75
Szymanowsky's, aseptic, Fig. 2472	1 50
Von Brun's, aseptic, Fig. 2462	1 75
" curved, aseptic, Fig. 2463	2 00
HOOK, double, Greene's	1 85
Stout, single, aseptic, Fig. 2425	1 25
See also Retractors and Tenaculums.	
IRONS, Cautery, Fig. 2398	each 1 00
" handles	75
" set of 4 and 1 handle, Fig. 2398	4 00
KNIVES, Minor Operating, see following list for prices and patterns:	
Hollow metal handle, Aseptic, select quality, Double concave handle, from one piece steel.	
each, \$1.00. Aseptic, each, 75c.	
Aneurism needle, Fig. 2335.	Aneurism needle, Fig. 2373.
Bistoury, straight, sharp point, Fig. 2326.	Bistoury, straight, sharp point, Fig. 2363.
" straight, blunt point, Fig. 2327.	" straight, blunt point Fig. 2364.
" curved, sharp point, Fig. 2329.	" curved, sharp point, Fig. 2365.
" curved, blunt point, Fig. 2328.	" curved, blunt point, Fig. 2367.
Gum lance, Fig. 2332.	Gum lance, Fig. 2381.
Hernia knife, Fig. 2336.	Hernia knife, Fig. 2368.
Scalpel, large, Fig. 2341.	Scalpels, 4 sizes, Fig. 2359.
" medium, Fig. 2344.	" center point, 3 sizes, Fig. 2361.
" small, Fig. 2347.	" straight edge, Fig. 2362.
" extra small, Fig. 2349.	Symes' knife, Fig. 2366.
" center point, 3 sizes, Fig. 2350.	Tenaculum, 2 sizes, Fig. 2377.
Symes' knife, Fig. 2330.	Tenatome, straight, sharp point, Fig. 2369.
Tenaculum, Fig. 2333.	" straight, blunt point, Fig. 2370.
Tenatome, sharp point, Fig. 2338.	" convex, Fig. 2380.
" blunt " Fig. 2339.	" concave, Fig. 2379.



AMPUTATING AND GENERAL OPERATING INSTRUMENTS.

KNIVES, Bistouries, see page 1060.

Brain, aseptible, Fig. 2731.....\$ 2 00

Catlings, see page 1056.

Cartilage, heavy, aseptible, hollow handle, Fig. 2310..... 1 50

“ Virchow's, center point, Fig. 2323..... 1 75

“ “ convex blade, Fig. 2320..... 1 75

“ dissecting, all steel, aseptible..... 45

Connant's, one blade and saw..... 5 00

“ two blades and saw..... 6 50

Cooper's, hernia knives, Fig. 2336. See page 1060.

Esmarch's, and wedge, aseptible, Fig. 924..... 2 25

Finger, long, French, aseptible, Fig. 2318..... 1 50

“ (straight bistoury). Fig. 2326, see Knives, page 1060.

Lenticular 1 25

Liston's, short, hand and foot, aseptible, Fig. 2314..... 2 00

“ medium, leg and arm, aseptible, Fig. 2313..... 2 25

“ large, hip and thigh, aseptible, Fig. 2312..... 2 75

Metacarpal, plain, aseptible, prices same as Bistouries, see page 1060.

“ French, aseptible, Fig. 2318..... 1 50

Resection, Frank's, aseptible, set in case, 2388 to 2391..... 7 00

“ “ “ each 1 50

Subcutaneous, Adams', aseptible..... 1 15

Valentine's, section..... 6 00

KNIFE-CHISEL, Lionhardt's..... 1 50

KNOT TYER, Carroll's, aseptible..... 1 50

LAMP, Alcohol, self-blowing, for heating cautery irons..... 3 00

LEVATOR, Periosteotome, Goodwillie's, curved, aseptible..... 1 50

Periosteotome, Goodwillie's, half curved, aseptible..... 1 50

“ Hamilton's, Fig. 2499, aseptible..... 1 00

“ Van Arsdale's, set of 3, aseptible, Fig. 2480..... 4 50

LIGATURE CARRIERS, see Rectal Instruments.

MALLETS, Lead, aseptible, Fig. 2482..... 1 50

Gerster's..... 40

Rawhide, Fig. 2481..... 75

Steel, aseptible, Fig. 2718..... 1 75

NEEDLES, Acupressure, with glass heads, Fig. 2540..... 10

Surgical. See page 802.

Aneurism and director, Fig. 2524..... 50

“ plain, Figs. 2335 and 2373, prices same as knives. See page 1060.

“ extra long, aseptible, Fig. 2518..... 1 25

“ Mott's 2 25

Artery, Crampton's, right and left, aseptible..... per pair 3 75

Automatic, Hoff's, aseptible..... 4 25



AMPUTATING AND GENERAL OPERATING INSTRUMENTS.

NEEDLES, Helical, right and left, asepticable.....	each	\$ 1 50
Pedicle, Dunning's, asepticable, Fig. 2519.....		1 25
NAIL, for uniting bones, square or round, Gerster's, Fig. 2094.....		35
OSTEOCLAST, bone, Rizzoli's.....		26 25
OSTEOPHER, bone, Hamilton's, asepticable, Fig. 2290.....		3 00
Bone, Farabeuf's, asepticable, Fig. 2262.....		4 50
OSTEOTRITE, Marshall's, olive head, asepticable.....		1 75
" round head, asepticable.....		1 75
OSTEOTOME, bone, Hutchinson's.....		4 50
Bone, Gowan's.....		15 75
PERIOSTEOTOMES, Allis', asepticable.....		1 10
Goodwillie's, asepticable.....		1 50
Poore's.....		1 50
Sand's, asepticable, Fig. 2485.....		1 75
Sayre's, asepticable, Fig. 2503.....		1 50
D. H. Williams', asepticable, Fig. 2500.....		1 50
PINS, Acupressure, with glass heads, Fig. 2540.....		10
Buck's, 1 to 2 inch, Fig. 2539.....	doz	05
" 2½ inch.....	doz	10
" 3 inch.....	doz	15
" silver, assorted sizes, Fig. 2539.....	doz	1 50
Harelip, Fig. 2539.....	doz	15
" silver canula.....	each	35
PIN CONDUCTOR, Buck's, plain.....		75
PLATES, Bone, Senn's, assorted sizes, see page 1086.....	pair	2 00
PORTÉ MECHE, Silver.....		1 00
Metal, Fig. 2526.....	each	30
PROBES, Aluminum, 4½ inch.....	pair	35
" 6 ".....	pair	60
Silver, either pure or sterling, 4 or 4½ inches, Fig. 2399.....	pair	50
5 inch.....	pair	60
6 ".....	pair	75
8 " Fig. 2409.....	pair	1 10
10 ".....	pair	1 35
Plated, 4½ inch.....	pair	30
RASPATORY, Langenbeck's, rectangular, asepticable, Fig. 2501.....		1 15
Mathieu's, concave, asepticable, Fig. 2497.....		1 25
Ollier's, knife edge, asepticable, Fig. 2502.....		1 50
Sedilott's, asepticable, Fig. 2498.....		1 00
RETRACTORS, Barth's, Fig. 2570.....		4 00
Blackman's, asepticable.....	pair	2 25
Bilroth's, right and left, 2-prong, asepticable, Fig. 2426.....		1 50
" " " 3-prong, asepticable, Fig. 2428.....		1 50
Durham's.....		2 25
Fluhrer's, for using in wiring bones.....		1 90
Giant (Riesenhaken), asepticable, Fig. 2413.....		2 00
Greene's, large, asepticable, Fig. 2414.....		1 25



AMPUTATING AND GENERAL OPERATING INSTRUMENTS.

SAWS, Subcutaneous, Shrad'y's improved.....	\$ 6 00
" Wyeth's, set of 3.....	6 00
SAW CARRIER, for chain saw, Fig. 2569.....	1 50
SCALPELS, minor, operating, ordinary sizes. See knives, page 1060,	
Amputating, hollow, aseptic handle, large size, No. 0, Fig. 2308.....	1 10
" " " " extra large size.....	1 25
Fig. 2309.....	1 10
SCISSORS, artery, aseptic, Fig. 2305.....	1 50
Bandage, Lister's, aseptic, Fig. 2234.....	60
Operating, straight, both points blunt, aseptic, 3¾-inch.....	65
" " " " " 4½ " Fig. 2231....	75
" " " " " 5 " 	90
" " " " " 5½ " 	1 15
" " " " " 6 " 	60
" " one point sharp, " 3¾ " 	65
" " " " " 4½ " Fig. 2228....	75
" " " " " 5 " 	90
" " " " " 5½ " 	1 15
" " " " " 6 " 	70
" angular or knee bent, aseptic, 3¾-inch.....	80
" " " " " 4½ " Fig. 2232....	95
" " " " " 5 " 	1 10
" " " " " 5½ " 	70
" curved on the flat, " 3¾ " 	80
" " " " " 4½ " Fig. 2230.....	95
" " " " " 5 " 	1 10
" " " " " 5½ " 	1 40
" " " " " 6 " 	1 00
" with probe point, Dugas', aseptic, 4½-inch, Fig. 2229....	1 50
" and forceps combined, aseptic, Fig. 2881.....	1 50
SCOOPS, bone, Hebra's, aseptic, Fig. 2487.....	3 00
" Barker-Willard's, irrigating, aseptic.....	2 00
" Circle, aseptic, Fig. 2495.....	1 90
" Schroder's, aseptic, Fig. 2486.....	1 40
" Volkman's, sharp spoon, aseptic, Fig. 2496.....	1 40
" Von Brun's, aseptic, Fig. 2486.....	7 50
SCRAPERS, see Scoops and Raspatories.	
SERRE-NOUED, Pozzi's, with elastic ligature, Fig. 2306.....	4 75
SERRESFINS, steel, Langenbeck's, jointed, Fig. 2533.....	each 50c; doz 4 75
" Langenbeck's, curved, Fig. 2532.....	each 50c; doz 1 75
Wire, straight, Fig. 2528.....	15c.; per doz 1 75
" curved, Fig. 2530.....	15c.; per doz
SHEARS, Bandage, see page 690.	
Bone, Charriere's, aseptic, Fig. 2258.....	4 00
Rib, costotome, aseptic, Fig. 2261.....	3 75
" Dennison's, Fig. 2265.....	10 50
" Lucke's, aseptic, Fig. 2263.....	9 50



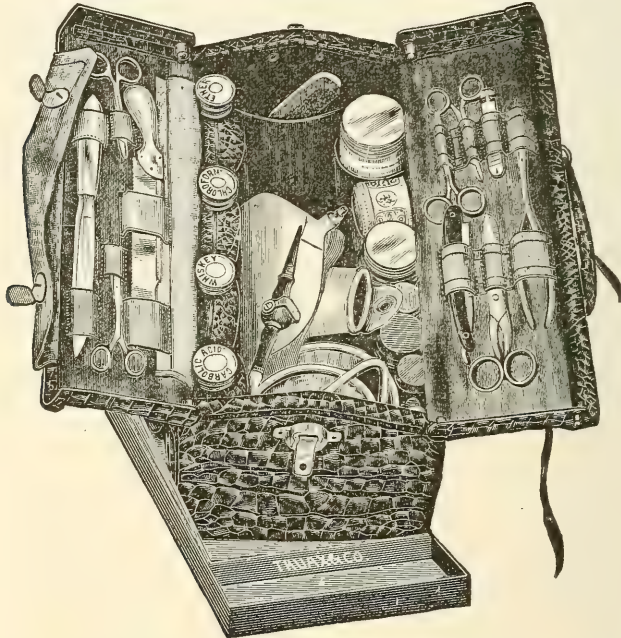
AMPUTATING AND GENERAL OPERATING INSTRUMENTS.

SPINDLES, Thiersch's, and forceps.....	\$ 6 00
SPLINT, Esmarch's, for excision of wrist, Fig. 2656.....	3 00
Esmarch's, for excision of elbow, Fig. 2658.....	3 00
SPOONS, see Scoops,	
SPONGE HOLDERS, see Gynecological Instruments.	
SUTURE, Fluhrer's, for wiring bone.....	40
TENACULUMS, see Knives, page 1060.	
Heavy, single, aseptic Fig. 2311.....	1 25
TENATOMES, see knives, page 1060.	
Shears', aseptic, Figs. 2392 to 2397.....	each 1 00
" set of 6 in case.....	7 25
TOURNIQUETS, Charriere's.....	1 85
Cousins', Fig. 2652.....	2 00
Erichson's.....	18 75
Esmarch's, Fig. 2638, consisting of three yards of 3-inch heavy rubber bandage, flat rubber strap and safety chain.....	2 25
Esmarch's, with 4½ yards rubber bandage, Fig. 2628.....	2 75
" chain and strap only, Fig. 2650.....	1 00
" emergency, Fig. 2634.....	50
Field.....	50
Gross'.....	9 00
May's.....	11 00
Pettit's, Fig. 2630.....	1 50
Prussian, Fig. 2632.....	60
Signoroni's, Fig. 2651.....	10 00
Skey's, aortic.....	18 00
U. S. A., Fig. 2636.....	75
TREPHINES, Andrews', Fig. 2608.....	4 00
Galt's, metal handle, Fig. 2612.....	2 75
" large size.....	4 00
" large and small, both with one metal handle.....	5 00
Guarded.....	4 50
Mastoid, see Ear Instruments.	
Roberts', aseptic, ½-inch.....	5 00
" " ¾ " Fig. 2607.....	5 00
" " 1 " 	6 00
" " 1¼ " 	6 50
" " 1½ " 	7 00
" set of 3 ½-inch, 1-inch and 1½-inch, with one adjustable handle, in neat mahogany case, Fig. 2606.....	16 00
Segment, Roberts', 1¼-inch, Fig. 2610.....	7 00
" " 1½ " 	8 00
These are used for enlarging the first opening.	
TREPHINE BRUSH.....	25
Aluminum handle.....	50
TROCARS, see Urethral Instruments.	



CHAS. TRUAX, GREENE & CO'S IMPROVED EMERGENCY BAG,

As arranged by J. B. McFATRICH, M. D., Chicago.



Showing bag open and instruments exposed.

I have long felt the need of an emergency operating case which would be compact, neat and sufficiently large to carry all instruments, antiseptics and dressings necessary in emergency cases and at the same time not be too large and cumbersome. I have used many of the emergency bags recommended by eminent surgeons, but have always found them large and inconvenient.

The Cabinet Bag made by CHAS. TRUAX, GREENE & Co. for me, represented by the accompanying cut, is 15 inches long, 9 inches high and 8 inches wide; it is lined with soft, smooth leather to render it as nearly aseptic as possible, and has the important feature of opening on the top, thus fully exposing the contents. On the inner side of the lids are fitted:

- | | |
|--|----------------------------|
| 1 METACARPAL SAW. | 1 MEDIUM AMPUTATING KNIFE, |
| 1 ARTERY FORCEP. | 1 SEQUESTROM FORCEP. |
| 1 RAZOR. | 1 HYPODERMIC SYRINGE. |
| 1 Pair of heavy scissors, useful in cutting off clothing, etc. | |

On the side of the bag proper are four oval pocket flasks, which, on account of their flat shape, are used to economize space. These are filled with Chloroform, Ether, Brandy or Whiskey, and Solution of Iodoform in Ether, or Carbolic Acid, as the surgeon may prefer. These are labeled to prevent mistakes occurring.

On the other side are arranged the usual antiseptics for surgical operations. These are

- | | |
|----------------------------|---------------------------------|
| CARBOLIZED DRAINAGE TUBES. | TABLETS OF CORROSIVE SUBLIMATE. |
| DUSTING BOX FOR IODOFORM. | DUSTING BOX FOR BISMUTH. |
| CARBOLIZED CAT GUT. | CARBOLIZED SILK, BRAIDED. |
| ANTISEPTIC SOAP. | NAIL BRUSH. |

Bottle of Carbolyzed Sponges and Bottle of Needles, Pins, etc.

Over the bottom and on the outside of the bag are two metal trays held in position by straps passed around the bag. I use these to hold antiseptic solutions, for my instruments and dressings. This comprises the bag proper. The arrangements is such that the surgeon has still at his disposal about three-fourths of the space in the bag.

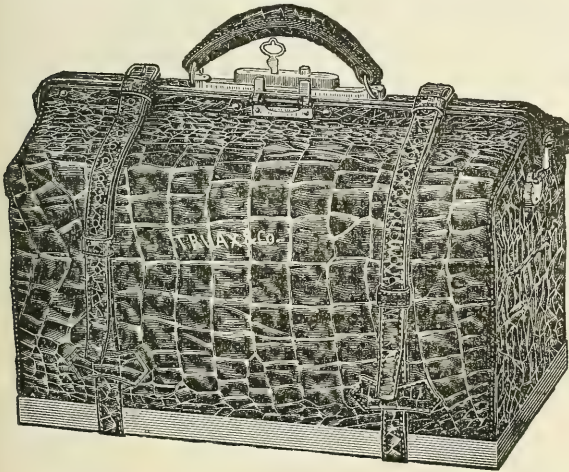


IMPROVED EMERGENCY BAG.

I keep in the bag, at all times, a dozen assorted bandages, a roll of bichloride of mercury gauze, absorbent cotton, rubber adhesive plaster, a large fountain syringe with Esmarch irrigating nozzle, plaster bandages, a rubber apron, a rubber sheet, a Kelly cushion, an Esmarch latest tourniquet and a roll of instruments.

All instruments not in the lids I carry in a linen instrument roll so that I may change them according to my surgical work. But for emergency work, if a pocket case knife or so is put in the lid, the bag will contain all that is necessary.

I have several of these instrument rolls, each one yard long, through the middle of each of which are adjustable loops. In these loops all instruments are placed, the object being to economize space and keep the instruments as nearly aseptic as possible. When soiled, being made from toweling, they may be washed, dipped in a solution of bichloride of mercury and thoroughly dried. Then they are aseptic and ready for use.



Showing the bag closed and with metal trays strapped to the bottom.

The Emergency bag is manufactured from dark seal grained or alligator grained leather, neatly lined with American kid. The bag is cabin shape, so that when open its contents are all exposed and within easy reach. The lids are each supplied with flaps, under which are loops for instruments.

When the bag is packed it will weigh 18 or 20 pounds, and may be carried in the hand, on the train or in the buggy. It may be bought without the instruments in the lids, the surgeon fitting his own into the loops thus curtailing the expense. The makers, however, usually furnish the razor, sequestrum forcep and heavy scissors.

When starting, with the view of performing an operation, with the bag as above described, I do not feel apprehensive of having forgotten anything.

Upon receiving an urgent call I pick up the bag and go, knowing that I can do whatever is required and do it antiseptically when I get there. It meets my requirements.

J. B. McFATRICH, Chicago

IMPROVED EMERGENCY BAG NO. 1 contains four flasks, 2 half pint and 2 quarter pint one Bone Spicula Forcep, 1 pair heavy Scissors for removing clothing; 1 good quality razor; 1 one gallon Fountain Syringe with Esmarch's irrigating nozzle; 1 doz. Carbolyzed Surgeon's Sponges in metal capped bottle; 1 Hard Rubber Iodoform Dusting Box; 1 bottle Braided Silk, assorted sizes; 1 bottle Catgut, assorted sizes; 1 bottle soft Rubber Drainage Tubes; 1 bottle containing Needles and Pins; 1 cake Antiseptic Soap; 1 bottle Antiseptic Tablets; 1 Nail Brush; 1 Linen Roll, with adjustable loops. All arranged in a 15-inch black seal grain leather bag provided with two metal trays, as shown in the illustration. Price, net.....\$25.00

IMPROVED EMERGENCY BAG NO. 2 contains in addition to the above, 4 Snap Catch French Lock Artery Forceps; 1 all metal Aseptic Amputating Knife; 1 Aseptic Amputating Saw; 1 all metal Amputating Scalpel; 1 Pair Aseptic Bone Cutting Forceps; 1 Esmarch's Instantaneous Tourniquet, and 1 Rubber Bandage, all arranged in a 15-inch bag as described above. Price, net.....\$38.50

IMPROVED EMERGENCY BAG NO. 3 contains in addition to the contents of No. 2, 1 doz. assorted Cotton Roller Bandages; ½ doz. Plaster Paris Bandages; 4 oz. Absorbent Cotton; 5 yards Antiseptic Gauze; ¼ yard Silk Protector; 1 Roll Rubber Adhesive Plaster, 2 inches by 10 yards; 1 additional Instrument Roll; with flasks for Chloroform, Ether, Brandy, and Carbolic Acid and box for Iodoform, all filled. Price, net.....\$43.00

IMPROVED EMERGENCY BAG NO. 4, filled as described by J. B. McFATRICH, M. D. but without Apron, Sheet, Kelly Cushion or Pocket Case Knife. Price, net.....\$41.50
Extra for Bags made from genuine alligator leather.....5.00
Extra for 16-inch Bags with metal trays to fit.....1.50



GENERAL OPERATING CASES.

The following cases will be furnished at the prices quoted only when taken complete and without change of contents. They are manufactured in large quantities and priced at less than our regular catalogue rates for contents and case when figured separately. Instruments contained in them and not wanted cannot be credited at regular prices. Customers desiring special cases should write for estimates. Those having instruments whether in cases or not, can have them put in first-class order, add to them any new instruments wanted and have all put into a new case. The old instruments will look as well as the new ones, and considerable expense be saved.

NOTE.—With the issue of our price-list (5th edition) we discontinued the use of Pettit's Tourniquet in operating cases of our own design, substituting in its place an Esmarch's Rubber Bandage with an Esmarch's Elastic Safety Strap and Hard Rubber Clamp, as shown by Fig. 2634.

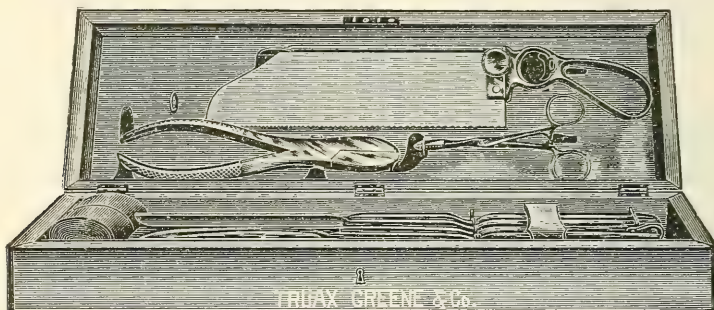


Fig. 2007. TRUAX, GREENE & CO'S AMPUTATING SET, ASEPTIBLE INSTRUMENTS.

- 1 Liston's knife, hip and thigh, Fig. 2312.
- 1 Liston's knife, leg and arm, Fig. 2313.
- 1 Catling, hand and foot, Fig. 2315.
- 1 Capital saw, Fig. 2545.
- 1 Metacarpal saw, Fig. 2563.
- 1 Bone forceps, Fig. 2246.

- 1 Esmarch's rubber bandage.
- 1 Esmarch's tourniquet, Fig. 2634.
(See note above).
- 1 Pean's artery forceps, Fig. 2141.
- 1 Scalpel, Fig. 2351.
- 1 Tenaculum, Fig. 2333.

Twelve needles, silk, wax and plastic pins in a mahogany case, with metal racks and partitions, case finished inside so as to admit of cleaning..... \$23 50
 Price of same set in velvet lined case..... 18 50

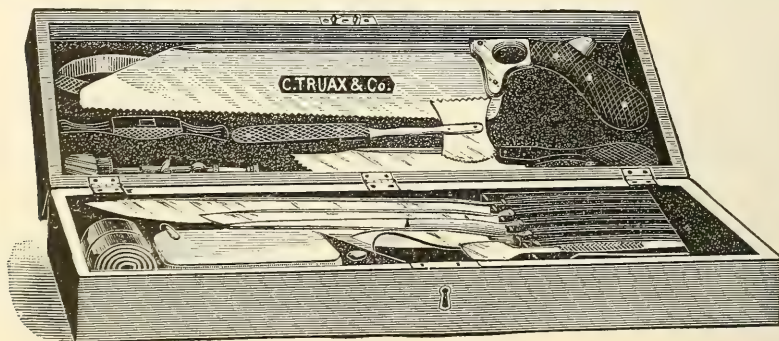


Fig. 2009. TRUAX, GREENE & CO'S AMPUTATING AND TREPHINING SET.

Price..... \$23 50
 Aseptic Instruments, (see description on next page.)

HAS TRUAX (TRA) GREENE & CO.

GENERAL OPERATING CASES.

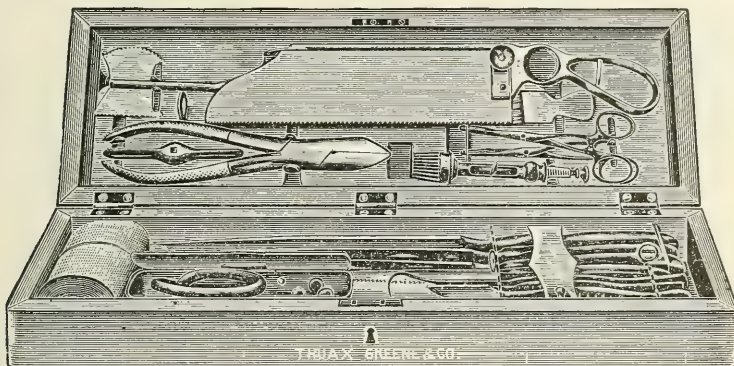


Fig. 2011. TRUAX, GREENE & CO'S AMPUTATING AND TREPPANNING SET, ASEPTIC INSTRUMENTS.

- | | |
|---|--------------------------------------|
| 1 Liston's knife, hip and thigh, Fig. 2312. | 1 Esmarch's rubber bandage. |
| 1 Liston's knife, leg and arm, Fig. 2313. | 1 Esmarch's tourniquet, Fig. 2634. |
| 1 Catling, hand and foot, Fig. 2315. | (See note on page 1068.) |
| 1 Capital saw, Fig. 2345. | 1 Tenaculum, Fig. 2333. |
| 1 Metacarpal saw, Fig. 2563. | 1 Trephine, metal handle, Fig. 2612. |
| 1 Liston's bone forcep, Fig. 2246. | 1 Brush, metal handle. |
| 2 Pean's artery forceps, Fig. 2131. | 1 Elevator and raspatory, Fig. 2504. |
| 1 Scalpel, Fig. 2308. | 1 Hey's Saw, Fig. 2562. |

Needles, silk, wax and pins, in mahogany case, with metal racks and partitions, case finished inside so as to admit of cleaning, \$30.00. Price of same set in velvet lined case, Fig. 2009, \$23.50

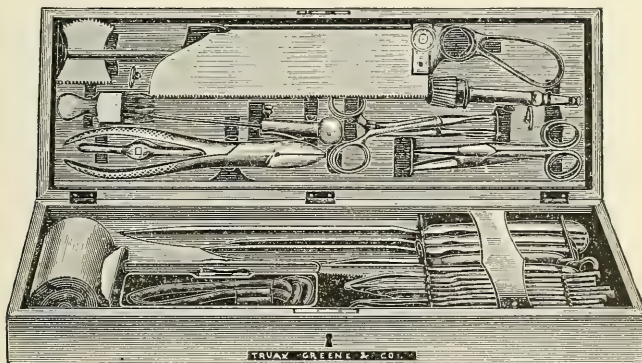


Fig. 2013. TRUAX, GREENE & CO'S AMPUTATING, TREPHINING AND MINOR OPERATING CASE, ASEPTIC INSTRUMENTS.

- | | |
|---|---|
| 1 Liston's knife, hip and thigh. Fig. 2312. | 1 Elevator and raspatory, Fig. 2504. |
| 1 Liston's knife, leg and arm, Fig. 2313. | 1 Hey's saw, Fig. 2562. |
| 1 Catling, small, Fig. 2315. | 1 Brush, metal handle. |
| 1 Capital saw, Fig. 2345. | 1 Trocar and canula, metal handle. |
| 1 Metacarpal saw, Fig. 2563. | 1 Cartilage knife, Fig. 2310. |
| 1 Bone forcep, Fig. 2246. | 1 Straight bistoury, Fig. 2326. |
| 1 Esmarch's bandage. | 1 Sharp point curved bistoury, Fig. 2329. |
| 1 Esmarch's tourniquet, Fig. 2634. (see note on page 1068.) | 1 Probe point curved bistoury, Fig. 2328. |
| 2 Pean's artery forceps, Fig. 2131. | 1 Aneurism needle, Fig. 2335. |
| 2 Scalpels, Figs. 2309 and 2344. | 1 Straight scissors, Fig. 2328. |
| 1 Tenaculum, Fig. 2333. | 1 Curved on the flat scissors, Fig. 2230. |
| 1 Galt's trephine, metal handle, Fig. 2612. | 1 Tournome, Fig. 2338. |
| | 12 Needles, assorted. |

Wax, wire, pins., etc., in mahogany case, with metal racks and partitions, case finished inside so as to admit of cleaning, \$39.00. Price of same set in velvet lined case, similar to Fig. 2009, \$32.00.



GENERAL OPERATING CASES.

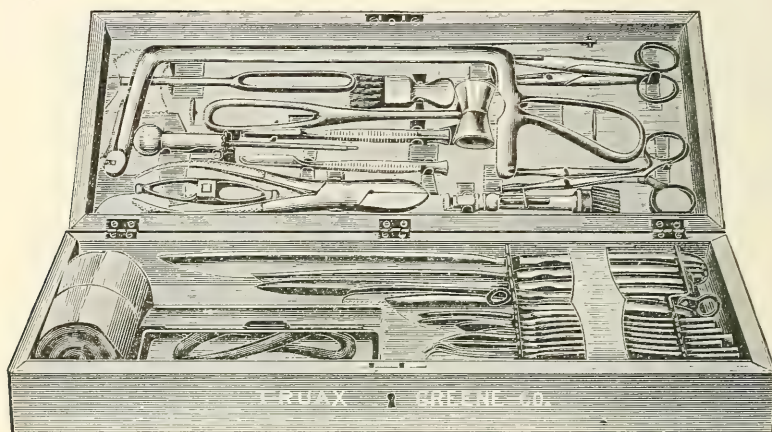


Fig. 2015. TRUAX, GREENE & CO'S CAPITAL OPERATING SET, ASEPTIBLE INSTRUMENTS.

- | | |
|---|--|
| 1 Liston's knife, hip and thigh,
Fig. 2312. | 1 Trocar and canula, metal handle. |
| 1 Liston's knife, leg and arm, Fig. 2313. | 1 Cartilage knife, Fig. 2310 |
| 1 Catling, small, Fig. 2315. | 1 Straight bistoury, Fig. 2326. |
| 1 Capital bow saw, Fig. 2543. | 1 Sharp point curved bistoury,
Fig. 2329. |
| 1 Metacarpal saw, Fig. 2563. | 1 Probe point curved bistoury,
Fig. 2328. |
| 1 Bone forcep, Fig. 2246. | 1 Aneurism needle, Fig. 2335. |
| 1 Esmarch's rubber bandage. | 1 Straight scissors, Fig. 2228. |
| 1 Esmarch's tourniquet, Fig. 2634 (see
note on page 1068). | 1 Curved on the flat scissors, Fig. 2230. |
| 2 Pean's artery forceps, Fig. 2131. | 1 Tenatome, Fig. 2338. |
| 2 Scalpels, Figs. 2309 and 2344. | 1 Lead mallet, Fig. 2482. |
| 1 Tenaculum, Fig. 2333. | 1 Chisel, Fig. 2468. |
| 1 Galt's trephine and metal handle,
Fig. 2612. | 1 Gouge, Fig. 2469. |
| 1 Elevator and raspatory, Fig. 2504. | 1 Director and tongue tie, Fig. 2521. |
| 1 Hey's saw, Fig. 2562. | 1 Steel Serresfin, Fig. 2533. |
| 1 Brush, metal handle. | 12 Needles, assorted. |

Wax, wire, pins, etc., in a brass-bound mahogany case, with metal racks and partitions, case finished so as to admit of cleaning.....\$46 50
 Price of same in velvet-lined case, similar to Fig. 2020..... 38 50



GENERAL OPERATING CASES.

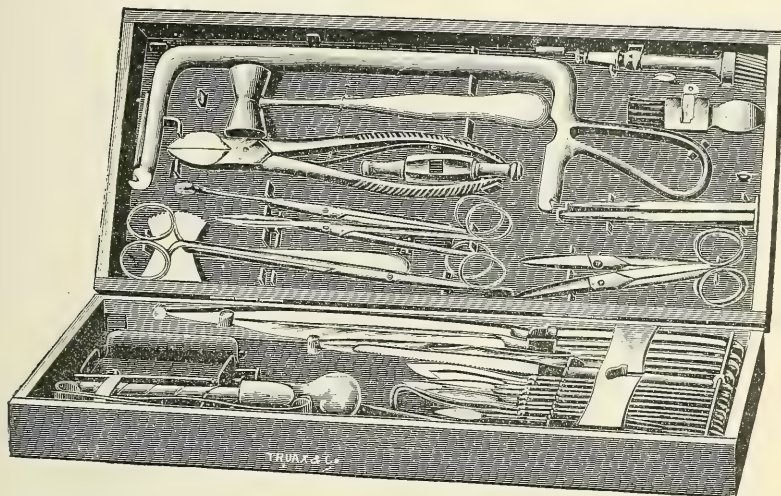


Fig. 2017. TRUAX, GREENE & CO'S OPERATING CASE.—ASEPTIBLE INSTRUMENTS.

CONTAINING:

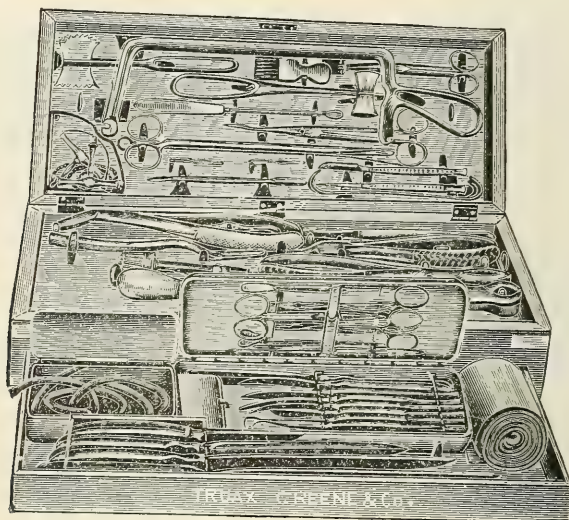
- | | |
|---|---|
| 1 Liston's knife, hip and thigh, Fig. 2312. | 1 Trocar and canula, metal handle. |
| 1 Liston's knife, leg and arm, Fig. 2313. | 1 Heavy cartilage knife, Fig. 2310. |
| 1 Catling, small, Fig. 2315. | 2 Lange's small retractors, Fig. 2411. |
| 1 Bow saw, Fig. 2543. | 1 American bullet forcep, Fig. 2759. |
| 1 Bone forcep, Liston's best, Fig. 2246. | 1 Elastic bullet probe, Fig. 2768. |
| 1 Esmarch rubber bandage. | 1 Lead Mallet, Fig. 2482. |
| 1 Esmarch tourniquet, Fig. 2634. (see note on page 1068.) | 1 Bone chisel, Fig. 2468. |
| 1 Trephine, metal handle, Fig. 2612. | 1 Bone gouge, Fig. 2469. |
| 1 Elevator and raspatory, Fig. 2504. | 1 Curved on the flat scissors, Fig. 2230. |
| 1 Hey's saw, Fig. 2562. | 1 Heavy polypus forcep. |
| 1 Brush, metal handle. | 1 Serresfin, Fig. 2533. |

(The following instruments included in this set may be fitted into a compact metal minor operating case, which can be removed from the larger one and carried in the pocket if desired. This minor operating case is the same as our No. 2 case, shown on page 1081, and contains:)

- | | | |
|--|---------------------------------------|---------|
| 1 Metacarpal saw, Fig. 2563. | 1 Tenaculum, Fig. 2333. | |
| 2 Scalpels, Fig. 2344. | 2 Pean's artery forceps, Fig. 2131. | |
| 1 Sharp point curved bistoury, Fig. 2329. | 1 Straight scissors, Fig. 2228. | |
| 1 Probe point curved bistoury, Fig. 2328. | 1 Director and tongue tie, Fig. 2521. | |
| 1 Tenatome, Fig. 2338. | 1 Aneurism needle, Fig. 2335. | |
| 1 French finger knife, Fig. 2318. | 2 Long silver probes, Fig. 2409. | |
| 1 Plain artery forcep, Fig. 2101. | 12 Needles. | |
| Silk, coil of silver wire, pins and wax, all in a brass-bound rosewood case, with metal racks and partitions, case finished inside so as to admit of cleaning..... | | \$65 00 |
| Price of same, if minor operating instruments are not included in a separate case, but placed as shown in the above illustration | | 56 25 |
| Price of same set in a velvet lined case with separate leather covered minor operating case, instruments asepticable..... | | 47 25 |



GENERAL OPERATING CASES.

**Fig. 2019. TRUAX, GREENE & CO'S GENERAL OPERATING CASE.**

ASEPTIBLE INSTRUMENTS.

- | | |
|--|--|
| 1 Liston's knife, hip and thigh, Fig. 2312. | 1 Bullet forceps, Fig. 2759. |
| 1 Liston's knife, leg and arm, Fig. 2313. | 1 Elastic bullet probe, Fig. 2768. |
| 1 Catling, small, Fig. 2315. | 1 Lead mallet, Fig. 2482. |
| 1 Bow saw, Fig. 2543. | 1 Bone chisel, Fig. 2468. |
| 1 Liston's bone forceps, curved, Fig. 2247. | 1 Bone gouge, Fig. 2469. |
| 1 Esmarch bandage. | 1 Scissors, curved on the flat, Fig. 2230. |
| 1 Esmarch tourniquet, Fig. 2634 (see note on page 1068). | 1 Polypus forcep, heavy. |
| 1 Trephine and handle Fig. 2612. | 1 Bone scoop, Fig. 2487. |
| 1 Elevator and raspatory, Fig. 2504. | 1 Sayre's periosteotome, Fig. 2503. |
| 1 Hey's saw, Fig. 2562. | 1 Satterlee's bone forcep, Fig. 2249. |
| 1 Brush, metal handle. | 2 Steel serresfins, Fig. 2533. |
| 1 Trocar and canula, metal handle. | 1 Sequestrum forcep, Fig. 2302. |
| 1 Heavy cartilage knife, Fig. 2310. | 1 Curved hand gouge, Fig. 2469. |
| 2 Lange's small retractors, Fig. 2411. | 1 Chain saw, Fig. 2566. |
| | 1 Lion jaw bone forcep, Fig. 2288. |

The following instruments included in this set are fitted into a compact minor operating case, which can be removed from the larger one and carried in the pocket. This minor case is of metal and contains:

- | | |
|------------------------------------|---------------------------------------|
| 1 Metacarpal saw, Fig. 2563. | 1 Tenaculum, Fig. 2333. |
| 2 Scalpels, Figs. 2309 and 2344. | 2 Pean's artery forceps, Fig. 2131. |
| 1 Sharp point bistoury, Fig. 2329. | 1 Pair scissors, Fig. 2228. |
| 1 Probe point bistoury, Fig. 2328. | 1 Director and tongue tie, Fig. 2521. |
| 1 Tenatome, Fig. 2338. | 1 Aneurism needle, Fig. 2335. |
| 1 French finger knife, Fig. 2318. | 2 Long silver probes, Fig. 2409. |
| 1 Plain artery forcep, Fig. 2101. | |

Twelve needles, silk, coil of silver wire, wax and pins, all in a brass-bound rosewood case, with metal racks and partitions, case finished inside so as to admit of cleaning. Minor operating case of metal, with all patent leather, slip-over cover \$85 00

Price of same set in a velvet lined case, with separate leather covered minor operating case, with patent leather slip-over cover. Instruments aseptic, as shown on next page..... 69 00

CHAS **TRUAX** *GREENE & CO*

GENERAL OPERATING CASES.

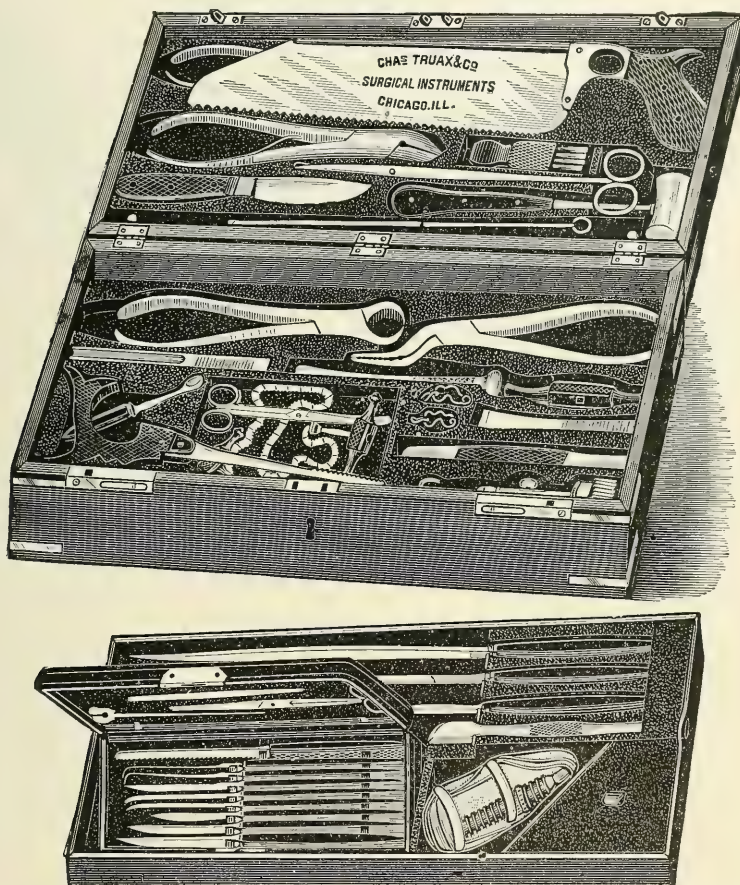


Fig. 2020. TRUAX, GREENE & CO'S GENERAL OPERATING CASE.

Instruments with aseptic handles, case velvet lined, but otherwise as described on preceding page; price includes patent leather cover.....\$75 00

TRUAX, GREENE & CO'S COMPLETE OPERATING CASE.

INSTRUMENTS ASEPTIBLE.

- | | |
|---|--|
| 1 Liston's knife, hip and thigh, Fig. 2312. | 1 Bone gouging forcep, Fig. 2286. |
| 1 Liston's knife, leg and arm, Fig. 2313. | 2 Sponge holders. |
| 1 Catling, small, Fig. 2315. | 1 Horn screw for lockjaw. |
| 1 Bow saw, Fig. 2543. | 1 Lithotomy staff. |
| 1 Liston's bone forceps, curved, Fig. 2247. | 1 Lithotomy bistoury. |
| 1 Esmarch bandage, | 1 Lithotomy forcep. |
| 1 Esmarch tourniquet, Fig. 2624. (See note on page 1068.) | 1 Gaillard's bone drill, Fig. 2527. |
| 1 Trephine and handle, Fig. 2612. | 1 Set Brainard's bone drills, Fig. 2509. |
| | 1 Fenestrated slide-catch forcep. |

(Continued on next page.)



GENERAL OPERATING CASES.

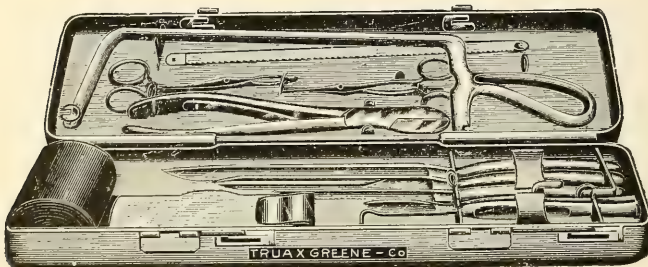
- | | |
|---|---|
| <p>1 Elevator and raspatory Fig. 2504.
 1 Hey's saw, Fig. 2562.
 1 Brush, metal handle,
 1 Trocar and canula, metal handle,
 1 Heavy cartilage knife, Fig. 2310.
 2 Lange's small retractors, Fig. 2411.
 1 Bullet forceps, Fig. 2759.
 1 Elastic bullet probe, Fig. 2786.
 1 Lead mallet, Fig. 2482.
 1 Bone chisel, Fig. 2468.
 1 Bone gouge, Fig. 2448.
 1 Scissors, curved on the flat, Fig. 2230.
 1 Polypus forceps, heavy.
 1 Bone scoop, Fig. 2487.
 1 Sayre's periosteotome, Fig. 2503.
 1 Satterlee's bone forceps, Fig. 2249.
 2 Steel serresfins, Fig. 2533.
 1 Sequestrum forceps, Fig. 2302.
 1 Curved hand gouge, Fig. 2469.
 1 Lion-jaw bone forceps, Fig. 2288.
 1 Chain saw, rotating handles, Fig. 2566.</p> | <p>1 Owen's retractor forceps, Fig. 2133.
 1 Needle holder, Fig. 1252.
 1 Cooper's hernia knife, Fig. 2336.
 1 Large trepanning scalpel, Fig. 2309.
 2 Steel sounds.
 2 Male catheters, plated.
 1 Pair vulsellum forceps.
 1 Plain artery forcep, heavy.
 1 Eye speculum, Noyes' best.
 1 Dix' spud.
 1 Beer's knife.
 1 Linear knife.
 1 Iris forcep.
 1 Iris scissors.
 1 Curved trocar.
 1 Eye needle.
 1 Von Brun's bone scoop, Fig. 2493.
 1 Chain saw carrier, Fig. 2569.
 1 Two-prong retractor, Fig. 2426.
 1 Adam's subcutaneous saw, Fig. 2567.
 2 Volkman's 4-prong retractors, Fig. 2431</p> |
|---|---|

The following instruments included in this set are fitted into a compact minor operating case which can be removed from the large one and carried in the pocket. This minor case is of metal and contains:

- | | |
|--|---|
| <p>1 Metacarpal saw, Fig. 2563.
 2 Scalpels, Figs. 2309 and 2344.
 1 Sharp point bistoury, Fig. 2329.
 1 Probe point bistoury, Fig. 2328.
 1 Tenatome, Fig. 2338.
 1 French finger knife, Fig. 2318.
 1 Plain artery forcep, Fig. 2101.
 1 Tenaculum, Fig. 2333.</p> | <p>2 Pean's artery forceps, Fig. 2131.
 1 Pair scissors, Fig. 2228.
 1 Director and tongue tie, Fig. 2521.
 1 Aneurism needle, Fig. 2335.
 2 Long silver probes, Fig. 2409.
 12 Needles, silk, coil of silver wire, one coil iron wire, wax and pins.</p> |
|--|---|

The above set in a brass-bound rosewood case, with metal racks and partitions, case finished inside so as to admit of cleaning, with patent leather slip-over cover\$132 75
 Price of same set in a velvet lined case with separate leather covered minor operating case, with patent leather slip-over cover, instruments asepticable.
 The case similar to Fig. 2020..... 112 50

Fig. 2025. TRUAX, GREENE & CO'S PATENT ASEPTIBLE AMPUTATING CASE.



(See description on next page.)

Price\$25 00



ASEPTIBLE OPERATING CASES.

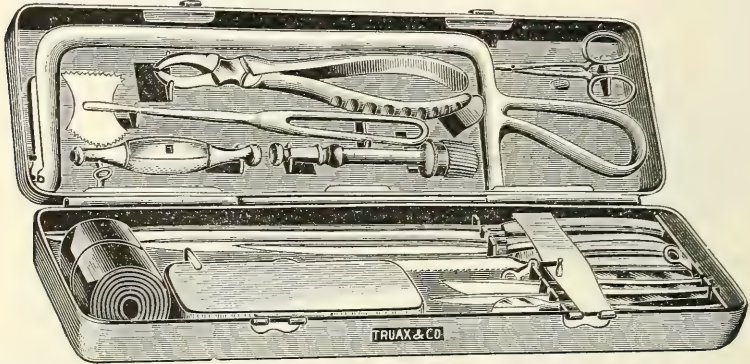


Fig. 2028. TRUAX, GREENE & CO'S ASEPTIBLE AMPUTATING AND TREPANNING CASE.

(Case Patented Aug. 26, 1890.)

- 1 Liston's knife, hip and thigh, Fig. 2312.
- 1 Liston's knife, leg and arm, Fig. 2313.
- 1 Catling, hand and foot, Fig. 2315.
- 1 Truax' patent capital bow saw, Fig. 2543.
- 1 Plain metacarpal saw, Fig. 2563.
- 1 Patent bone forceps, Fig. 2247.
- 2 Pean's artery forceps, Fig. 2131.
- 2 Scalpels, Figs. 2309-2344.
- 1 Tenaculum, Fig. 2333.
- 1 Esmarch's rubber bandage.
- 1 Esmarch's rubber tourniquet, Fig. 2634.
- 1 Roberts' trephine, Fig. 2607.
- 1 Elevator and raspatory, Fig. 2504.
- 1 Hey's saw, Fig. 2562.
- 12 Needles, silk, wax and plastic pins—all in a Truax patent metal aseptic case, as shown in Fig. 2028, and fully described on page 1075.....\$36 00

TRUAX, GREENE & CO'S ASEPTIBLE AMPUTATING, TREPANNING AND MINOR OPERATING CASE.

(Case Patented Aug. 26 1890.)

- 1 Liston's knife, hip and thigh, Fig. 2312.
- 1 Liston's knife, leg and arm, Fig. 2313.
- 1 Catling, hand and foot, Fig. 2315.
- 1 Truax' patent capital bow saw, Fig. 2543.
- 1 Plain metacarpal saw, Fig. 2563.
- 1 Patent bone forceps, Fig. 2247.
- 2 Pean's artery forceps, Fig. 2131.
- 2 Scalpels, Figs. 2309-2344.
- 1 Tenaculum, Fig. 2333.
- 1 Esmarch's rubber bandage.
- 1 Esmarch's rubber tourniquet, complete, Fig. 2634.

(Continued on next page.)



ASEPTIBLE OPERATING CASES.

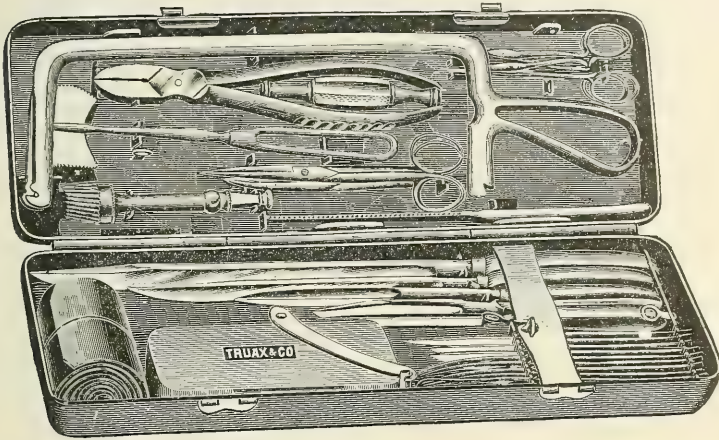


Fig. 2032. TRUAX, GREENE & CO'S ASEPTIBLE AMPUTATING, TRE-PANNING AND MINOR OPERATING CASE.

(Continued from previous page.)

- 1 Roberts' Trephine, Fig. 2607.
- 1 Elevator and raspatory, Fig. 2504.
- 1 Hey's saw, Fig. 2562.
- 1 French finger knife, Fig. 2318.
- 1 Heavy cartilage knife, Fig. 2310.
- 1 Straight bistoury, Fig. 2326.
- 1 Sharp point curved bistoury, Fig. 2329.
- 1 Probe " " Fig. 2328.
- 1 Aneurism needle, Fig. 2335.
- 1 Tenatome, Fig. 2338.
- 1 Straight scissors, Fig. 2228.
- 1 Curved on the flat scissors, Fig. 2230.
- 2 Lange's retractors, Fig. 2410-2411
- 12 Needles, silk, wax, and plastic pins—all in a Truax patent metal aseptic case, as shown by Fig. 2032, and more fully described on page 1075.\$50 00

TRUAX, GREENE & CO'S ASEPTIBLE OPERATING SET.

(Case Patented Aug. 26, 1890.)

- 1 Liston's knife, hip and thigh, Fig. 2312.
- 1 " " leg and arm, Fig. 2313.
- 1 Catling, hand and foot, Fig. 2315.
- 1 Truax' patent capital bow saw, Fig. 2543.
- 1 Plain metacarpal saw, Fig. 2563.
- 1 Patent bone forcep, Fig. 2247.
- 2 Pean's artery forceps, Fig. 2131
- 2 Scalpels, Figs. 2309 and 2344.
- 1 Tenaculum, Fig. 2333.
- 1 Esmarch's rubber bandage.

(Continued on next page.)



GENERAL OPERATING CASES.

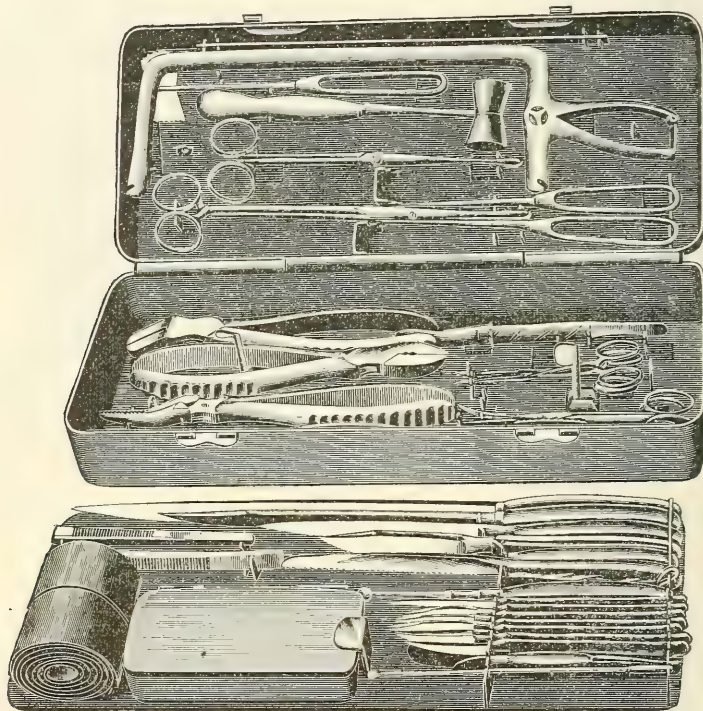


Fig. 2034. TRUAX, GREENE & CO'S ASEPTIBLE OPERATING CASE.

(Continued from preceding page.)

- | | |
|---|--|
| 1 Esmarch's rubber tourniquet, Fig. 2634. | 1 Patent bone forcep, curved, Fig. 2247. |
| 1 Elevator and raspatory, Fig. 2504. | 1 Patent sequestrum forcep, Fig. 2302. |
| 1 French finger knife, Fig. 2318. | 1 Patent bone holding forcep, Fig. 2288. |
| 1 Straight bistoury, Fig. 2326. | 1 Bullet forcep, Fig. 2759. |
| 1 Sharp point curved bistoury, Fig. 2329. | 1 Elastic bullet probe, Fig. 2786. |
| 1 Probe point curved bistoury, Fig. 2328. | 1 Roberts' trephine, Fig. 2607. |
| 1 Aneurism needle, Fig. 2335. | 1 Hey's saw, Fig. 2562. |
| 1 Straight scissors, Fig. 2228. | 1 Heavy cartilage knife, Fig. 2310. |
| 2 Lange's retractors, Fig. 2411 | 1 Tenatome, Fig. 2338. |
| 1 Lead mallet, Fig. 2482. | 1 Curved Scissors, Fig. 2230. |
| 1 Bone gouge, Fig. 2448. | 1 Bone chisel, Fig. 2468 |
| 1 Sayre's periosteotome, Fig. 2503. | 1 Von Brun's bone scoop. |
| | 1 Vulsellum forcep. |
- 12 Needles, silk, wax and plastic pins—all in a Truax patent metal aseptible case, as shown by Fig. 2034, and more fully described on page 1075. . . . \$75 00

Larger and more complete cases furnished to order.



GENERAL OPERATING CASES.

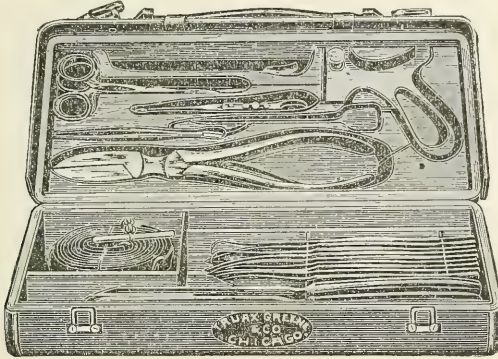


Fig. 2036. TRUAX, GREENE & CO'S EXCELSIOR OPERATING CASE.

CONTAINING:

- | | | |
|--|---|---------------|
| 1 Medium amputating knife, Fig. 2313. | 1 Tenatome, Fig. 2338. | 1 Tourniquet. |
| 1 Small catling, Fig. 2315. | 1 Saw, with removable handle and two blades, Fig. 2545. | |
| 2 Scalpels, Fig. 2309 and 2344. | 1 Bone forceps, straight, Fig. 2246. | |
| 1 Straight sharp point bistoury, Fig. 2326 | 1 Plain artery forceps, Fig. 2101. | |
| 1 Curved sharp point bistoury, Fig. 2329 | 1 Slide catch artery forceps, Fig. 2110. | |
| 1 Curved blunt point bistoury, Fig. 2328. | 1 Straight scissors, Fig. 2228. | |
| 1 Hernia knife, Fig. 2336. | 2 Pean's artery forceps, Fig. 2131. | |
| 1 Tenaculum, Fig. 2333. | 1 Director and tongue tie, Fig. 2521. | |
| 1 Aneurism needle, Fig. 2335. | | |
| 1 Pair silver probes, needles, silk and pins, instruments asepsible, all in a neat sole leather case with round corners; case leather lined..... | | \$25 00 |

HOSPITAL MINOR OPERATING SET.

ASEPTIBLE INSTRUMENTS.

- | | |
|--|------------------------------------|
| 2 Finger knives. | 1 Volkman's double hook. |
| 2 Straight probe pointed bistouries. | 2 Pean's artery forceps. |
| 1 Straight hernia knife. | 1 Plain artery forcep. |
| 2 Curved sharp pointed bistouries. | 1 Strabismus forcep. |
| 2 Curved probe pointed bistouries. | 1 Bullet forcep. |
| 1 Curved hernia knife. | 1 Elastic bullet probe. |
| 1 Abscess knife. | 1 Heavy, polypus forcep. |
| 1 Short, straight bistoury. | 1 Vulsellum forcep. |
| 4 Tenatomes, various shapes. | 1 Heavy, straight scissors. |
| 1 Tenaculum. | 1 Curved on the flat, scissors. |
| 1 Pair needle forceps, Fig. 1252. | 1 Pair, angular bent scissors. |
| 1 Pair Lange's retractors. | 1 Trocar and canula, metal handle. |
| 3 Serresfins, steel. | 1 Set, ear speculums. |
| 1 Straight tonsil knife. | 1 Belocq's canula, for epistaxis. |
| 1 Curved tonsil knife. | 1 Director and tongue tie. |
| 7 Scalpels, assorted sizes and shapes. | 12 Yards annealed iron wire. |

Assorted needles, silk, silver wire, and plastic pins, all in neat rosewood case, brass bound.....\$50 00



GENERAL OPERATING CASES.

TRUAX, GREENE & CO'S TREPPANNING SET.

- | | |
|--------------------------------------|--------------------------------------|
| 1 Galt's trephine, large, Fig. 2612. | 1 Elevator and raspatory, Fig. 2504. |
| 1 Galt's trephine, small. | 1 Hey's saw, Fig. 2562. |
| 1 Trephine handle. | 1 Brush, metal handle. |
| 1 Trepanning scalpel, Fig. 2309. | |
- All in a neat case, with metal racks, instruments all asepticable.....\$11 00

TRUAX, GREENE & CO'S BONE EXSECTING SET.

- | | |
|---|---|
| 1 Chain saw, metal handle, Fig. 2566. | 2 Lange's retractors, Fig. 2411. |
| 2 Bone chisels, large and small, Fig. 2468. | 1 Ferguson's lion-jaw forceps, Fig. 2288. |
| 1 Bone gouge, Fig. 2467. | 1 Lead Mallet, Fig. 2482. |
| 1 Curved hand gouge, Fig. 2469. | 1 Interosseous saw, Fig. 2568. |
| 1 Bone gouging forcep, Fig. 2286. | 1 Pope's antrum drill, Fig. 2516. |
| 1 Liston's bone forcep, heavy, Fig. 2246. | 1 Liston's bone forcep, angular, Fig. 2248. |
| 1 Set Brainard's drills, Fig. 2509. | 3 Coils silver wire. |
| 1 Bone trephine and handle. | 1 Dozen needles. |
| 1 Elevator and raspatory, Fig. 2504. | 1 Coil iron wire and silk. |
| 1 Sequestrum forcep, Fig. 2302. | |
- All in a neat mahogany case, with metal racks, instruments all asepticable.\$45 00

MACWHINNIE'S CASE FOR CRANIAL AND CEREBRAL SURGERY.

- | | |
|--|---|
| 2 Roberts' asepticable trephines, Fig. 2707. | 1 Cyrtometer, for the location of the fissures of Rolando and Sylvius, Fig. 1919. |
| 1 Hey's skull saw, Fig. 2562. | 1 Cartilage knife, Fig. 2310. |
| 2 Scalpels, Fig. 2309-2344. | 1 Plain artery forcep, Fig. 2101. |
| 1 Brush, metal handle. | 1 Straight, heavy, scissors, Fig. 2228. |
| 1 Van Buren's sequestrum forcep, Fig. 2302. | 1 Curved, heavy, scissors, Fig. 2220. |
| 1 Tenaculum, Fig. 2333. | 1 Ethridge automatic needle holder, Fig. 1252. |
| 1 D. H. Williams' periosteotome, Fig. 2500. | 1 Bone scoop, Fig. 2487. |
| 1 Dozen needles. | 1 Card silk and wire. |
| 1 Elevator and raspatory, Fig. 2504. | |

All in a mahogany case, with metal racks and partitions, instruments all asepticable.....\$60 00
 Same set without the Cyrtometer..... 42 50

TRUAX, GREENE & CO'S NO. 1 MINOR OPERATING CASE.

- | | |
|---|---------------------------------------|
| 1 Scalpel, Fig. 2357. | 1 Metacarpal saw, Fig. 2563. |
| 1 Tenaculum, Fig. 2377. | 1 Director and tongue tie, Fig. 2521. |
| 1 Straight bistoury, Fig. 2363. | 1 Pean's artery forcep, Fig. 2131. |
| 1 Curved sharp point bistoury, Fig. 2365. | 1 Straight scissors, Fig. 2228. |
| 1 Curved probe-point bistoury, Fig. 2367. | 1 Pair silver probes, Fig. 2399. |
- Six needles and silk, all in a neat morocco case, instruments all asepticable..... \$9 00

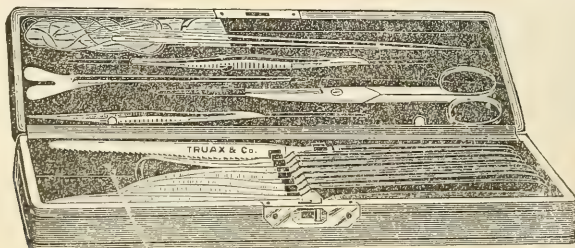


Fig. 2033.

TRUAX, GREENE & CO'S MINOR OPERATING CASE No. 2.

(See description on next page.)



MINOR OPERATING CASES.

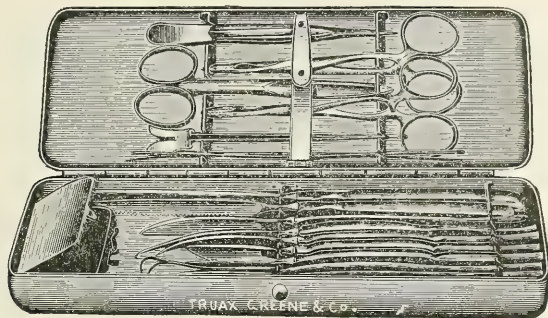


Fig. 2040. TRUAX, GREENE & CO'S MINOR OPERATING CASE, No. 2.

This is the same case that is contained in our general operating cases, and parties purchasing it from us may at any future time buy the balance of the operating set, thus completing the case without loss.

- | | |
|------------------------------------|---------------------------------------|
| 1 Metacarpal saw, Fig. 2563. | 1 Tenaculum, Fig. 2333. |
| 2 Scalpels, Figs. 2309 and 2344. | 2 Pean's artery forceps. |
| 1 Sharp point bistoury, Fig. 2329. | 1 Scissors, Fig. 2328. |
| 1 Probe point bistoury, Fig. 2328. | 1 Director and tongue tie, Fig. 2521. |
| 1 Tenatome, Fig. 2338. | 1 Aneurism needle, Fig. 2335. |
| 1 French finger knife, Fig. 2318. | 2 Long silver probes, Fig. 2409. |
| 1 Plain artery forcep, Fig. 2101. | 12 Needles and silk. |

Contained in a solid metal case Fig. 2040.\$20 00

Price of same set in a morocco covered case Fig. 2038. 15 00

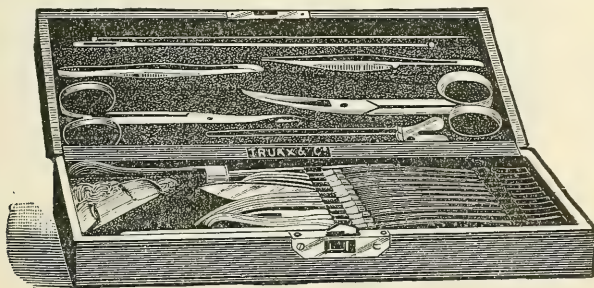


Fig. 2042. TRUAX, GREENE & CO'S MINOR OPERATING CASE, No. 3.

- | | |
|---|--|
| 1 Owens' retractor forceps, Fig. 2133. | 1 Aneurism needle, Fig. 2373. |
| 1 Curved sharp pointed bistoury, Fig. 2365. | 1 Narrow metacarpal saw, Fig. 2563. |
| 1 Curved probe pointed bistoury, Fig. 2367. | 1 Pair plain artery forceps, Fig. 2101. |
| 1 Cooper's hernia knife, Fig. 2368. | 1 Trocar, metal handle. |
| 4 Scalpels, assorted, Fig. 2359. | 1 Angular scissors, Fig. 2232. |
| 1 Tenatome, Fig. 2369. | 1 Slide-catch artery forceps, Fig. 2110. |
| 1 Tenaculum, Fig. 2375 | 1 Director and tongue-tie, Fig. 2521. |
| | 2 Silver probes, Fig. 2409. |
| | 1 Pair heavy polypus forceps. |

6 Needles, silk, iron and silver wire.

In morocco case, instruments aseptic.\$20 00



MINOR OPERATING CASES.

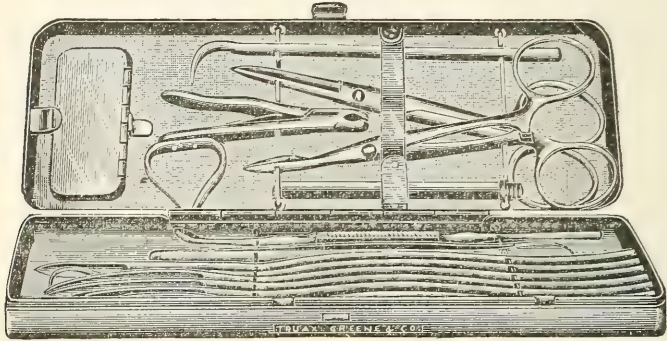


Fig. 2044. TRUAX, GREENE & CO'S ASEPTIBLE MINOR OPERATING CASE, No. 7.
CONTAINING:

- 1 Scalpel, Fig. 2359.
- 1 Straight bistoury, sharp point, Fig. 2363.
- 1 Curved bistoury, blunt point, Fig. 2364.
- 1 Curved bistoury, sharp point, Fig. 2365.
- 1 Tenaculum, Fig. 2375.
- 1 Tenatome, Fig. 2369.
- 1 Metacarpal saw, Fig. 2563.
- 1 Plain artery forcep, Fig. 2101.

- 1 Pean's artery forcep, Fig. 2131.
- 1 Scissors, Fig. 2228.
- 1 Silver caustic holder, Fig. 2905.
- 1 Truax' finger needle holder, Fig. 1248.
- 1 Ear spoon and hook, Fig. 2896.
- 1 Pair silver probes.
- 1 Director and aneurism needle, Fig. 2524.
- 1 Dozen needles, 1 card silk.

All contained in a neat, metal case, 7 in. long, $2\frac{1}{4}$ in. wide and $\frac{3}{4}$ in. thick. . . . \$18 00

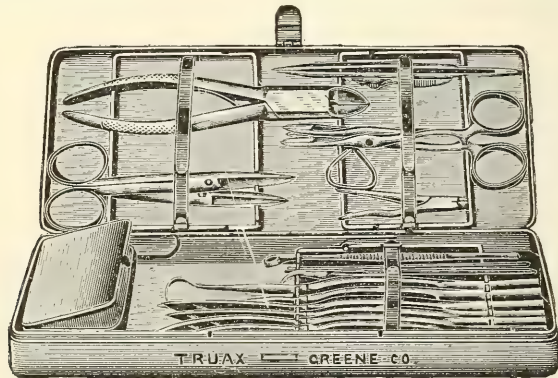


Fig. 2046. TRUAX, GREENE & CO'S ASEPTIBLE MINOR OPERATING CASE, No. 9.
CONTAINING:

- 1 Scalpel, Fig. 2344.
- 1 Bistoury, straight, Fig. 2326.
- 1 Bistoury, curved, sharp point, Fig. 2329.
- 1 Bistoury, curved, blunt point, Fig. 2328.
- 1 Tenaculum, Fig. 2333.
- 1 Tenatome, Fig. 2338.
- 1 Metacarpal saw, Fig. 2563.
- 1 Aneurism needle and director, Fig. 2524.

- 1 Fricke's artery forcep, Fig. 2110.
- 3 Pean's artery forceps, Fig. 2131.
- 1 Truax' finger needle holder, Fig. 1248.
- 1 Pair silver probes.
- 1 Scissors, straight, Fig. 2228.
- 1 Scissors, curved on the flat, Fig. 2238.
- 1 Small bone forceps, Fig. 2883.
- 1 Elevator and scoop, Fig. 2897.
- 1 Dozen needles and card silk.

All contained in solid metal nickel-plated case. \$25 00



MINOR OPERATING CASES.

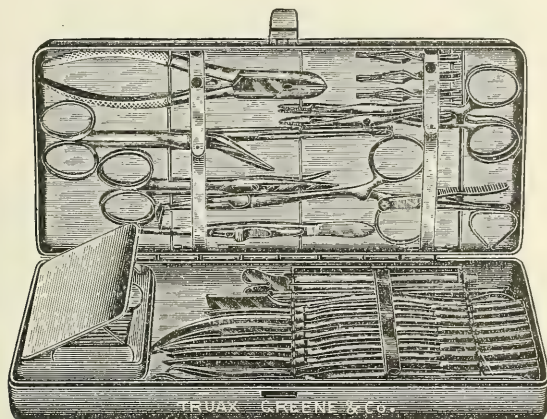


Fig. 2050. TRUAX, GREENE & CO'S ASEPTIBLE MINOR OPERATING CASE, No. 11.

CONTAINING:

- | | |
|---|---|
| 2 Scalpels, Fig. 2344. | 1 Pair silver probes. |
| 1 Bistoury, straight, Fig. 2326. | 1 Scissors, straight, Fig. 2228. |
| 1 Bistoury, curved, sharp point, Fig. 2329. | 1 Scissors, curved on flat, Fig. 2230. |
| 1 Bistoury, curved, blunt point, Fig. 2328. | 1 Scissors, angular, knee-bent, Fig. 2232. |
| 1 Tenaculum, Fig. 2333. | 1 Director and tongue tie, Fig. 2521. |
| 1 Tenatome, Fig. 2338. | 1 Small bone forceps, Fig. 2883. |
| 1 Aneurism needle, Fig. 2524. | 1 Elevator and raspatory, Fig. 2504. |
| 1 Hernia knife, Fig. 2336. | 3 Steel serresfins, Fig. 2533. |
| 1 Metacarpal saw, small blade, Fig. 2563. | 1 Pair Owen's retractor forceps, Fig. 2133. |
| 1 Fricke's artery forcep, Fig. 2110. | 1 Trocar and Canula. |
| 3 Pean's artery forcep, Fig. 2131. | 1 Pair small vulsellum forceps. |
| 1 Truax' finger needle holder, Fig. 1248. | 12 Needles and silk. |

All contained in a solid metal case.....\$38 50



MINOR OPERATING CASES.

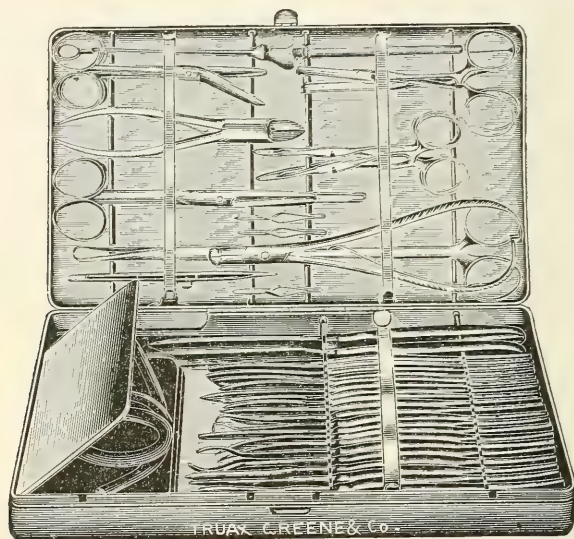


Fig. 2053. TRUAX, GREENE & CO'S ASEPTIBLE MINOR OPERATING CASE, No. 13.

CONTAINING:

- | | |
|--|---|
| 7 Scapels assorted shapes and sizes, style of Fig. 2344. | 1 Pair Owen's retractor forceps, Fig. 2133. |
| 1 Long French finger knife, Fig. 2318. | 1 Double hook, Fig. 2435. |
| 1 Straight bistoury, sharp point, Fig. 2326. | 1 Fricke's artery forceps, Fig. 2110. |
| 1 Straight bistoury, blunt point, Fig. 2327. | 1 Bullet forceps, Fig. 2759. |
| 1 Curved bistoury, sharp point, Fig. 2329. | 1 Bullet probe, Fig. 2768. |
| 1 Curved bistoury, blunt point, Fig. 2328. | 3 Pean's artery forceps, Fig. 2131. |
| 1 Hernia knife, Fig. 2336. | 1 Small bone forceps, Fig. 2883. |
| 1 Symes' abscess knife, Fig. 2330. | 1 Pair vulsellum Forceps. |
| 4 Tenatomes, assorted shapes. | 1 Metacarpal saw, small blade, Fig. 2563. |
| 1 Aneurism needle, Fig. 2335. | 1 Straight scissors, Fig. 2228. |
| 1 Tenaculum, Fig. 2333. | 1 Straight scissors, heavy, Fig. 2228. |
| 1 Automatic needle holder, Fig. 1252. | 1 Scissors, curved on flat, Fig. 2230. |
| 3 Steel serresfins, Fig. 2533. | 1 Scissors, angular, Fig. 2232. |
| | 1 Trocar and canula. |
| | 1 Director and tongue tie, Fig. 2525. |
| | 1 Instantaneous Tourniquet, Fig. 2634. |
- All contained in a solid metal, aseptic case with box for needles, etc\$60 00



MINOR OPERATING CASES.

Fig. 2056. TRUAX, GREENE & CO'S CYLINDRICAL MINOR OPERATING CASE, No. 31.

INSTRUMENTS ALL ASEPTIBLE. KNIVES OF PATTERNS SHOWN ON PAGE 1103.

THE CASE CONTAINS:

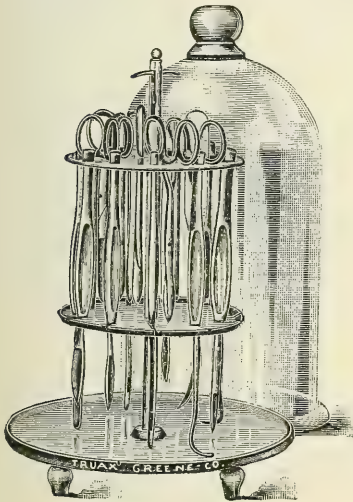


Fig. 2056.

- 2 Scalpels, Fig. 2309 and 2344.
- 1 Straight sharp point bistoury, Fig. 2326.
- 1 Curved sharp point bistoury, Fig. 2329.
- 1 Curved blunt point bistoury, Fig. 2328.
- 1 Tenaculum, Fig. 2333.
- 1 Tenatome, Fig. 2338.
- 1 Aneurism needle, Fig. 2335.
- 1 Hernia knife, Fig. 2336.
- 1 Plain dressing forceps, Fig. 2101.
- 2 Pean's artery forceps, Fig. 2131.
- 1 Scissors, curved on the flat, Fig. 2330.
- 1 Scissors, straight, Fig. 2228.
- 1 Pair silver probes.
- 1 Director and tongue-tie, Fig. 2521.
- 1 Metacarpal saw, Fig. 2563.
- 1 'Truax' finger needle holder, Fig. 1248.

All contained in a revolving nickel plated frame with glass cover. Height of frame $10\frac{1}{2}$ in., diameter 7 in.

Price complete with globe.....\$20.00

Special combinations of this design made to order.

Fig. 2061. TRUAX, GREENE & CO'S UPRIGHT MINOR OPERATING CASE, No. 41.

INSTRUMENTS ALL ASEPTIBLE AND OF PATTERN SHOWN ON PAGE 1104.

THE CASE CONTAINS:

- 2 Scalpels, Fig. 2359.
- 1 Curved sharp point bistoury Fig. 2365.
- 1 Curved blunt point bistoury, Fig. 2367.
- 1 Tenatome, Fig. 2369.
- 1 Tenaculum, Fig. 2375.
- 1 Aneurism needle, Fig. 2373.
- 1 Metacarpal saw, Fig. 2563.
- 1 Director and tongue-tie, Fig. 2521.
- 1 Pair silver probes.
- 1 Straight scissors, Fig. 2228.
- 1 Curved on the flat scissors, Fig. 2230.
- 1 Plain artery forceps, Fig. 2101.
- 2 Pean's artery forceps, Fig. 2131.
- 1 'Truax' finger needle holder, Fig. 1248.
- 1 Fever thermometer.

All metal oblong frame as shown in the illustration, price complete.....\$17 00

With glass globe to cover..... 18 50

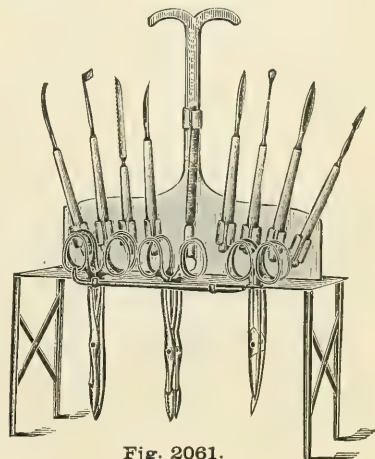


Fig. 2061.



MURPHY'S BUTTON

—FOR—

Anastomosis of the Hollow Viscera.

The operations which can be performed by means of this button, in shorter time, with greater ease and with greater safety than by any other means, are the following:

1. Gastronomy. This operation is performed for the purpose of nourishing a patient suffering from stenosis of the œsophagus from any cause. It can be performed with the button in from 5 to 7 minutes after the peritoneal cavity is opened with a certainty that the stomach and peritoneum will remain in contact until union takes place.



It is done as follows: Two stitches are taken in the wall of the stomach in a direction from the operator, a loop is left and two return stitches taken three lines from and parallel to the first; an incision is then made through the wall of the stomach and female half of button inserted with shank protruding, the shank is pushed through the parietal peritoneum one half inch from line of incision and male half of button pressed into it, the incision in the peritoneum is then closed and the operation is completed.

2. Gastroenterostomy. Performed for all obstructions at the pylorus, whether from cicatricial or neoplastic formations. It is performed same as above only the male portion of button is inserted into the bowel and then the button pressed together. The operation can be done in from 7 to 10 minutes.

3. Cholecystoenterostomy. Approximation of Gall Bladder to Bowel; Treatment for Cholecystitis, Cholelithiasis, Obstruction Jaundice from stone or other causes.

It is performed by putting half of the button in the Gall Bladder and the other half in the Duodenum and pressing them together. The Gall Stones may or may not be removed at time of operation. The operation can be performed in from 11 to 20 minutes.

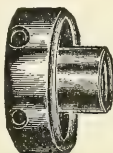
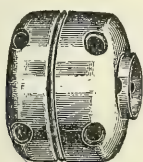


4. **Cholecystostomy**, by this means, can be performed in from 6 to 8 minutes; it is done in the same manner as in Gastrostomy, only the Gall Bladder is used in place of the Stomach; it is done in so much less time than with the suture and is very much safer.

5. **End to End Approximation of Bowel**. This operation will be called for in Gangrene of Bowel from strangulated hernia, volvulus, constriction by bands or other causes.

For bullet wounds where a portion of the bowel must and should be resected. Following removal of portions of bowel for malignant diseases. The end of the bowel can also be joined to its side. The operation is so simple that a novice can perform it in 15 or 20 minutes by inserting a purse string suture in each end of bowel, securing half of the button in position, drawing the suture and pressing button together.

6. **Colostomy**. This operation is no longer to be looked upon as justifiable considering the ease with which Ileo-colostomy can be performed with the button. Nevertheless it can be performed in exactly the same way as Gastrostomy or Cholecystostomy by means of the button.



7. **Pylorectomy**. The Pylorus is resected in the usual way and the Gastric opening completely closed. The male portion of the button is inserted into the resected end of the duodenum as described in the end to end approximation of the bowel; the female end of the button is inserted into the posterior wall of the stomach in the same manner as in Gastrostomy.

8. **Resection of the Caecum**. Can be performed in the same manner as Pylorectomy. The usual resection of the Caecum having been made, the end of the colon is completely sewed up.

By means of button the resected end of the ileum is united to the side of the colon as previously described in Pylorectomy.

9. **Resection of Rectum**. For stricture of malignant growth, the upper portion being held down in position by the button.

10. **Annular Strictures of the Rectum**. The Cicatricial band is clasped in the button and it sloughs out.

11. **Bacon's Methods**. The new and ingenious method of treating strictures of the rectum suggested by Dr. Bacon of this city, by the use of the button commends itself. By this plan cures are made possible in a class of cases that has been the bugbear of rectal surgery for the last century. A full description of the technique can be had by applying to Dr. Bacon, 1007 Venetian Building.

J. B. MURPHY, M. D.,

Room 911, Venetian Bld'g.

CHICAGO.

THESE BUTTONS ARE MANUFACTURED BY CHARLES TRUAX, GREENE & CO.

TRUAX & GREENE

AMPUTATING AND GENERAL OPERATING INSTRUMENTS.

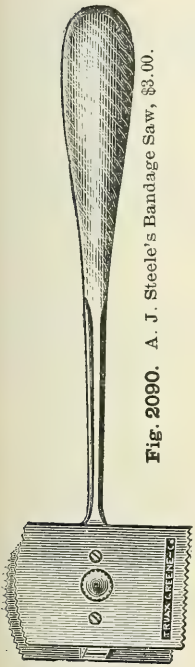


Fig. 2090. A. J. Steele's Bandage Saw, \$3.00.



Fig. 2091.
A. J. Steele's Bandage Cutter, guarded, \$1.50.

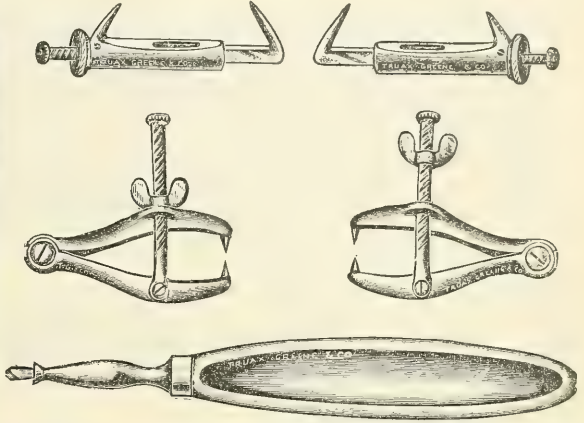


Fig. 2085. E. Andrews' Hooked Patella Clamps for Bony Union of Fracture. Price, including drill, \$12.00.

ANDREWS' HOOKED PATELLA CLAMPS FOR BONY UNION OF FRACTURES.

These clamps are applied by drilling small holes or pits in the surface of the fragments of the patella in any desired position; inserting the points of the clamps into the holes and then drawing the fragments firmly together by means of the screws. The drill has a shoulder near the tip to prevent the possibility of drilling through into the joint.



Fig. 2093. Self-grasping Artery Forcep, Fenestrated, \$1.50. See page 1057.

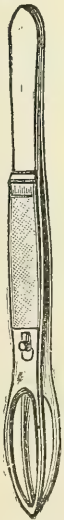


Fig. 2092. Bulldog Artery Forcep, \$1.50. See page 1057.

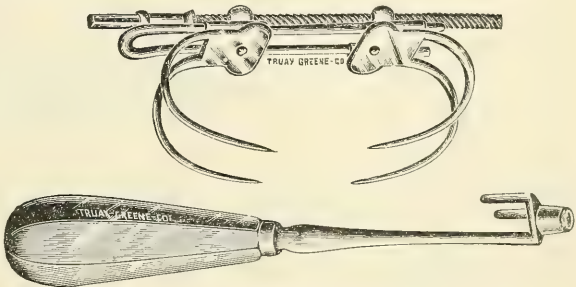


Fig. 2086. Malgaigne Hooks for Fractured Patella, \$3.00.



Fig. 2087. Truax' Slide-Catch Artery Forcep, \$1.75. See page 1058.

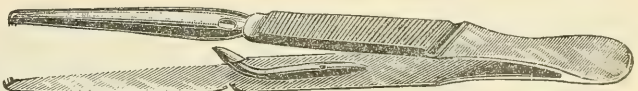


Fig. 2088. Maclean's Artery Forcep, \$1.25. See page 1059



Fig. 2094. Gerster's Iron Nail for Uniting Fractures. 35c.

CHAS. TRUAX & CO. GREENE & CO.

AMPUTATING AND GENERAL OPERATING INSTRUMENTS.

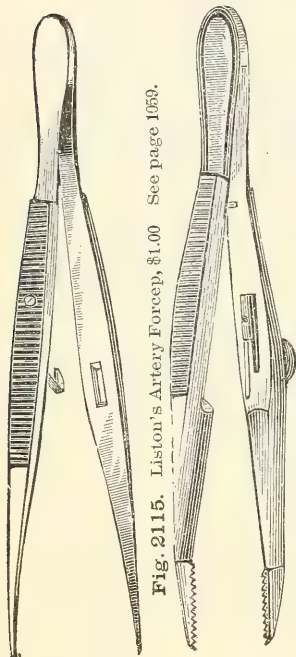


Fig. 2115. Liston's Artery Forcep, \$1.00 See page 1059.

Fig. 2114. Charrière's Tortion Forcep, \$1.50 See page 1058.

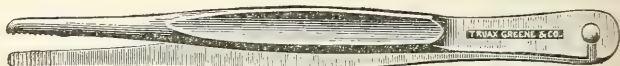


Fig. 2101. Plain Artery Forceps, Separable Blades, Aseptible, 75c. to \$1.10. See page 1057.

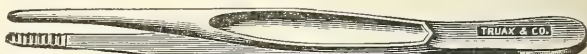


Fig. 2103. Plain Aseptible Artery Forcep, 50c. to \$1.00. See page 1057.



Fig. 2106. Plain Artery Forceps, Fine Points, Separable Blades Aseptible, 90c. See page 1057.



Fig. 2107. Plain Artery Forceps, Mouse Tooth, Separable Blades Aseptible, \$1.00. See page 1057.



Fig. 2108. Plain Aseptible Artery Forcep, Mouse Tooth, 75c. See page 1057.



Fig. 2109. Walcher's Aseptible Artery Forceps, \$1.50. See page 1058.



Fig. 2110. Fricke's Slide Catch Artery Forceps, Separable Blades, Aseptible, \$1.75. See page 1058.



Fig. 2111. Fricke's Slide Catch Artery Forcep, Aseptible, \$1.50. See page 1058.

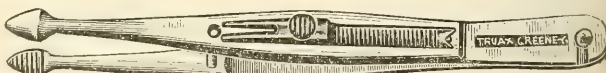


Fig. 2112. E. Andrews' Artery Forceps, Separable Blades, Aseptible, \$1.75. See page 1057.

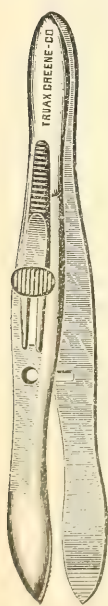


Fig. 2113. Luer's or Wyeth's Artery Forceps, Aseptible, \$1.50. See page 1058.



Fig. 2116. Owen's Artery Forcep, \$1.00. See page 1057.



AMPUTATING AND GENERAL OPERATING INSTRUMENTS.

Fig. 2125. Byford's Double Curve Artery Forcep, Aseptible, \$2.25.

Fig. 2127. Pratt's (Chicago) Long Artery Forcep, Aseptible, \$1.75.

Fig. 2128. Pratt's "V" Artery Forcep, Aseptible, \$2.25.

Fig. 2131. Pean's Artery Forcep, Aseptible, \$1.00; doz., \$9.00.

Fig. 2130. Skene's Artery Forceps, Aseptible, \$1.75.

Fig. 2129.
Pratt's Short
Artery Forcep,
Aseptible, \$1.50.

Fig. 2133. Owen's Retractor Forceps,
Aseptible, \$2.25.

Fig. 2132. Little's Artery
Forcep, Aseptible, \$1.50.

Owen's Forcep, Separated. See price above.

See page 1058.



AMPUTATING AND GENERAL OPERATING INSTRUMENTS.

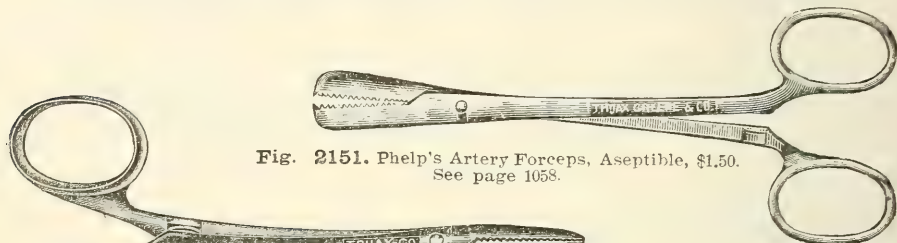


Fig. 2151. Phelps's Artery Forceps, Aseptible, \$1.50.
See page 1058.

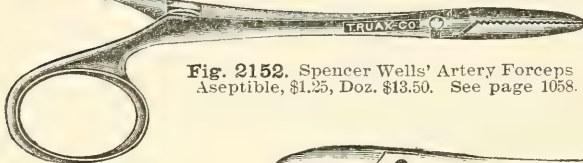


Fig. 2152. Spencer Wells' Artery Forceps
Aseptible, \$1.25, Doz. \$13.50. See page 1058.

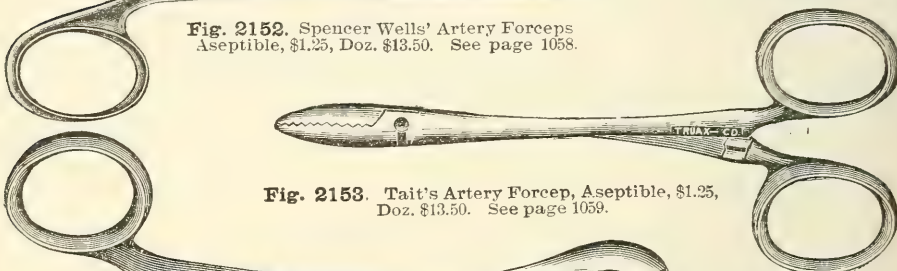


Fig. 2153. Tait's Artery Forcep, Aseptible, \$1.25,
Doz. \$13.50. See page 1059.

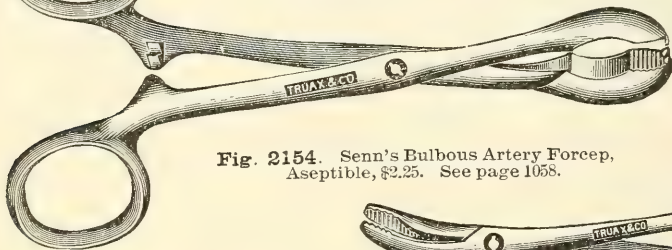


Fig. 2154. Senn's Bulbous Artery Forcep,
Aseptible, \$2.25. See page 1058.

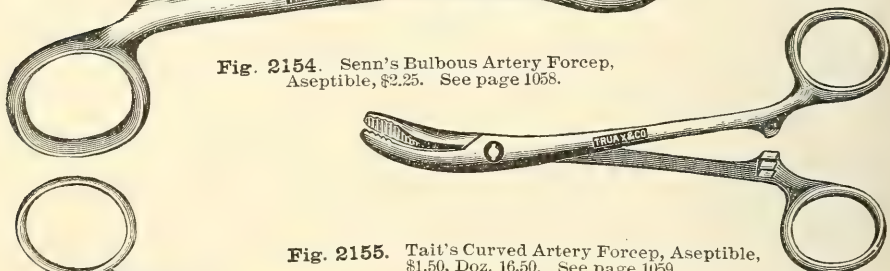


Fig. 2155. Tait's Curved Artery Forcep, Aseptible,
\$1.50, Doz. 16.50. See page 1059.

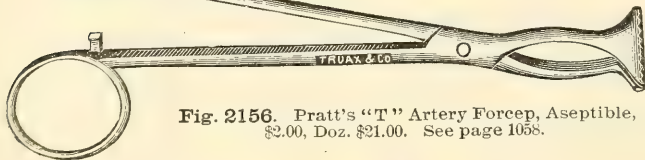


Fig. 2156. Pratt's "T" Artery Forcep, Aseptible,
\$2.00, Doz. \$21.00. See page 1058.

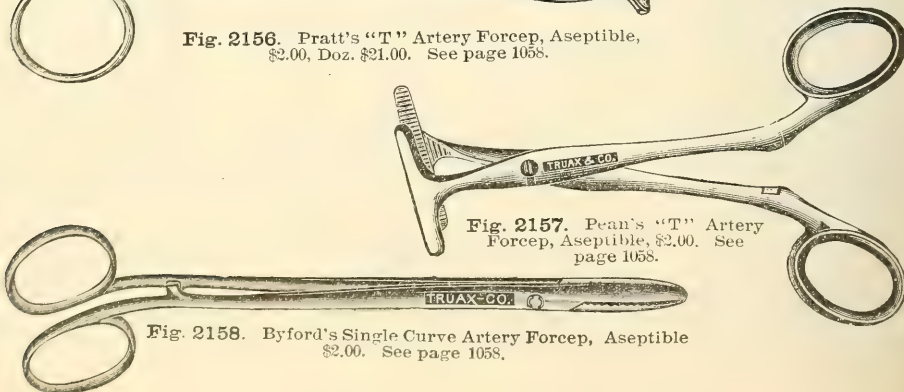


Fig. 2157. Pean's "T" Artery
Forcep, Aseptible, \$2.00. See
page 1058.

Fig. 2158. Byford's Single Curve Artery Forcep, Aseptible
\$2.00. See page 1058.



AMPUTATING AND GENERAL OPERATING INSTRUMENTS.

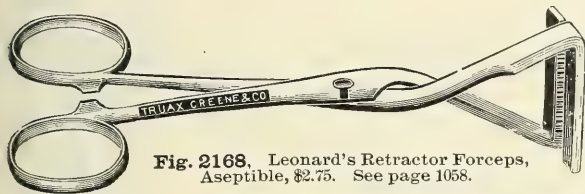


Fig. 2168. Leonard's Retractor Forceps, Aseptible, \$2.75. See page 1058.

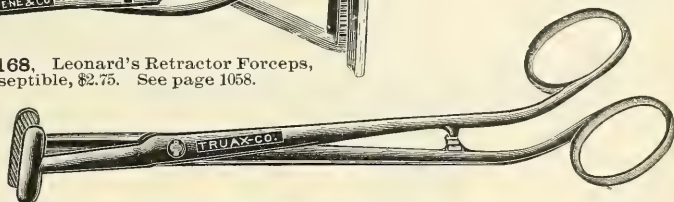


Fig. 2170. Byford's "T" Artery Forcep, Aseptible, \$2.50. See page 1058.

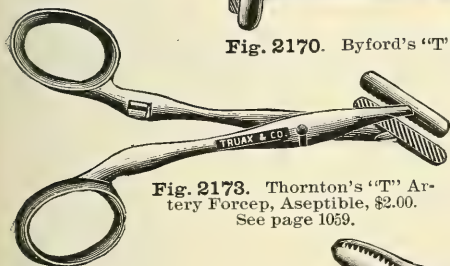


Fig. 2173. Thornton's "T" Artery Forcep, Aseptible, \$2.00. See page 1059.

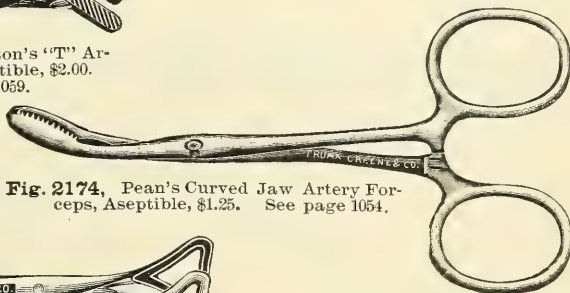


Fig. 2174. Pean's Curved Jaw Artery Forceps, Aseptible, \$1.25. See page 1054.

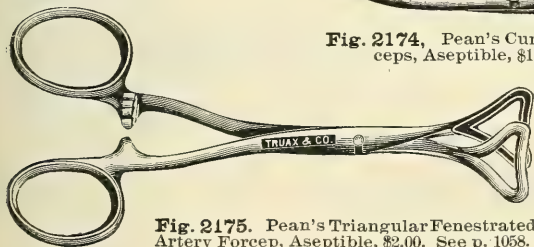


Fig. 2175. Pean's Triangular Fenestrated Artery Forcep, Aseptible, \$2.00. See p. 1058.

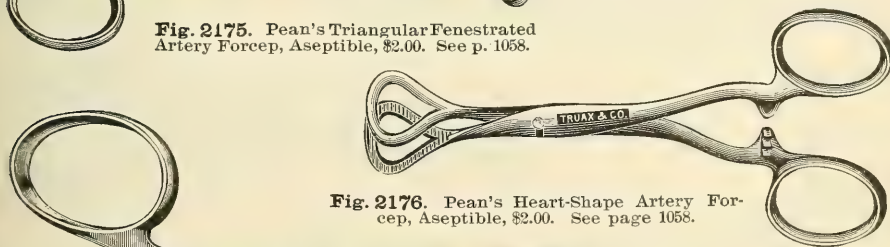


Fig. 2176. Pean's Heart-Shape Artery Forcep, Aseptible, \$2.00. See page 1058.

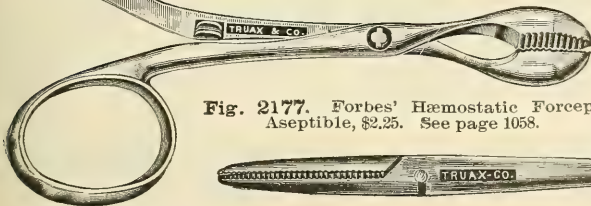


Fig. 2177. Forbes' Hemostatic Forcep, Aseptible, \$2.25. See page 1058.

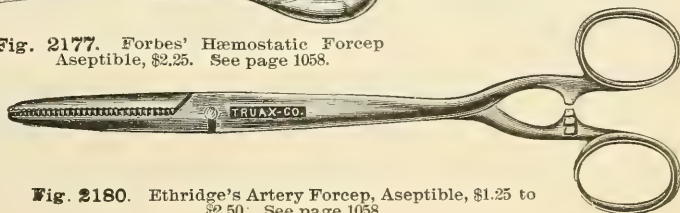


Fig. 2180. Ethridge's Artery Forcep, Aseptible, \$1.25 to \$2.50. See page 1058.



AMPUTATING AND GENERAL OPERATING INSTRUMENTS.

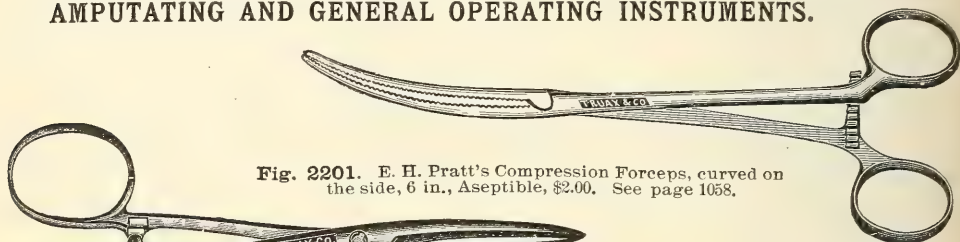


Fig. 2201. E. H. Pratt's Compression Forceps, curved on the side, 6 in., Aseptible, \$2.00. See page 1058.



Fig. 2204. Smith's Straight Hemostatic Forcep, Aseptible, \$2.00. See page 1059.

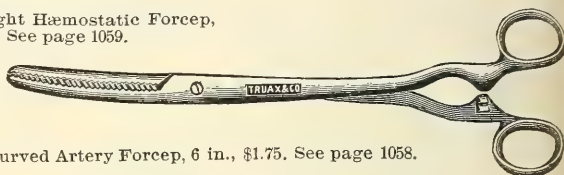


Fig. 2205. Faenger's Curved Artery Forcep, 6 in., \$1.75. See page 1058.

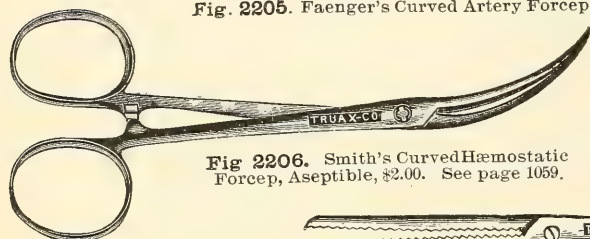


Fig. 2206. Smith's Curved Hemostatic Forcep, Aseptible, \$2.00. See page 1059.

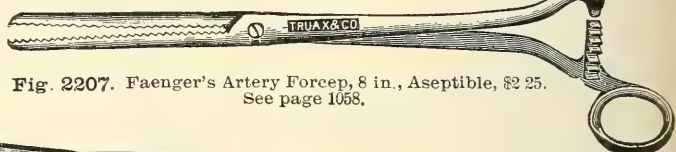


Fig. 2207. Faenger's Artery Forcep, 8 in., Aseptible, \$2.25. See page 1058.

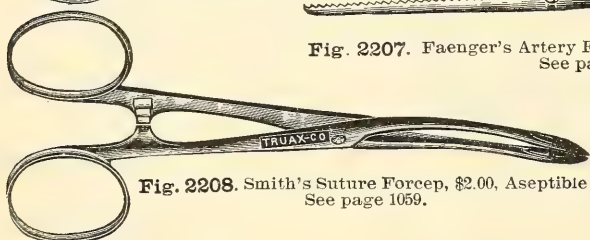


Fig. 2208. Smith's Suture Forcep, \$2.00, Aseptible. See page 1059.

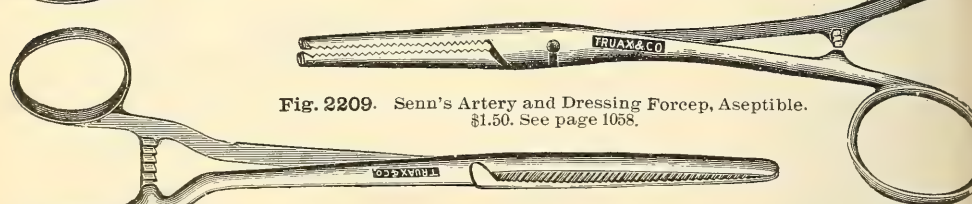


Fig. 2209. Senn's Artery and Dressing Forcep, Aseptible. \$1.50. See page 1058.



Fig. 2210 Pratt's Compression Forcep, straight, 9 in., Aseptible, \$2.50. See page 1058.

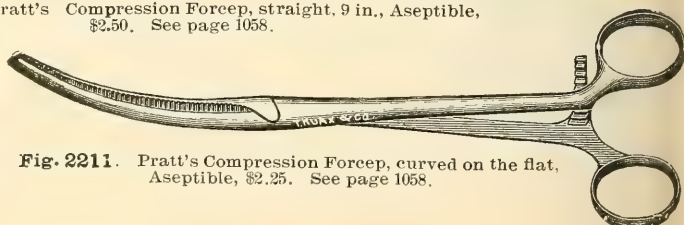


Fig. 2211. Pratt's Compression Forcep, curved on the flat, Aseptible, \$2.25. See page 1058.

AMPUTATING AND GENERAL OPERATING INSTRUMENTS.

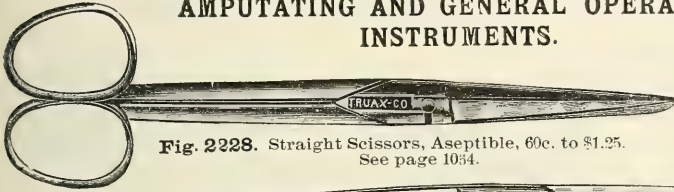


Fig. 2228. Straight Scissors, Aseptible, 60c. to \$1.25.
See page 1064.

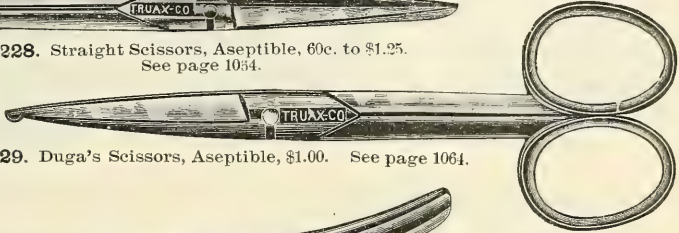


Fig. 2229. Duga's Scissors, Aseptible, \$1.00. See page 1064.

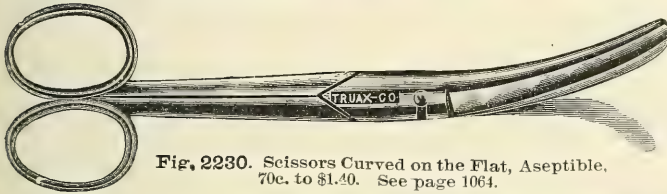


Fig. 2230. Scissors Curved on the Flat, Aseptible,
70c. to \$1.40. See page 1064.

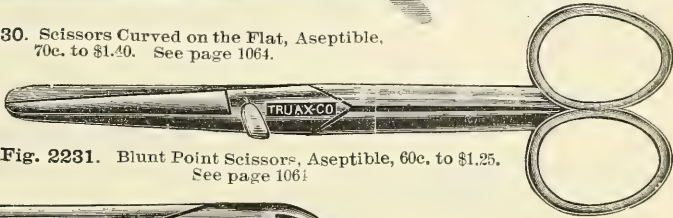


Fig. 2231. Blunt Point Scissors, Aseptible, 60c. to \$1.25.
See page 1064.

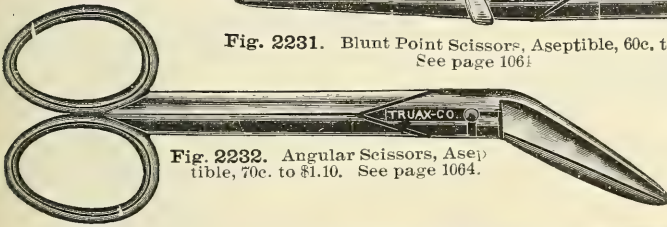


Fig. 2232. Angular Scissors, Aseptible,
70c. to \$1.10. See page 1064.



Fig. 2233. Grey's Open Ring Scissors, Aseptible,
65c. to 75c.

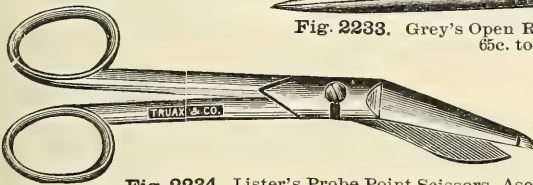


Fig. 2234. Lister's Probe Point Scissors, Aseptible,
\$1.50. See page 1064.

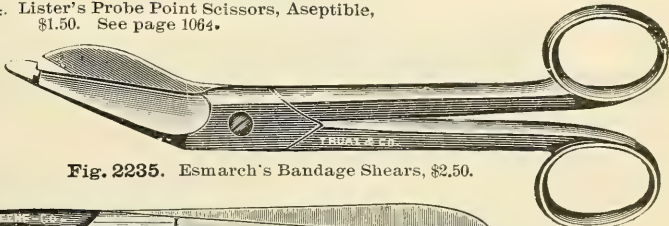


Fig. 2235. Esmarch's Bandage Shears, \$2.50.

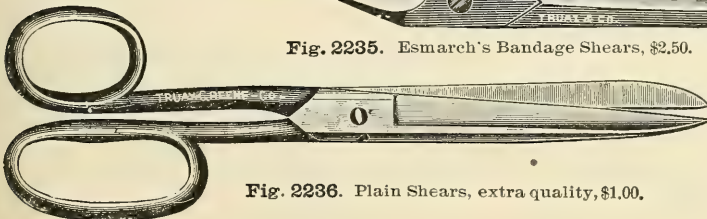
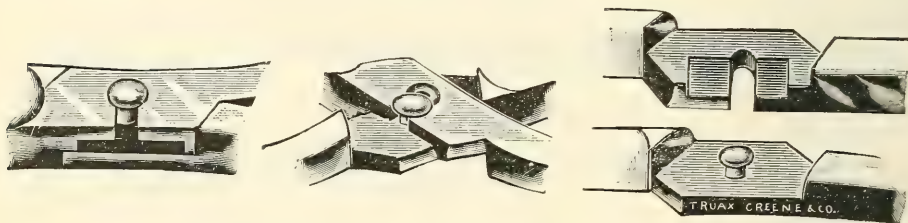


Fig. 2236. Plain Shears, extra quality, \$1.00.



AMPUTATING AND GENERAL OPERATING INSTRUMENTS.



PATENT JOINT FOR FORCEPS AND SCISSORS.

There is perhaps no class of instruments more difficult to thoroughly cleanse than the ordinary forms of Forceps. Nearly all forms of Bone and Tooth Forceps have heretofore been constructed with closed joints, that not only afforded a safe deposit for disease germs, but furnished a good medium for conveying them from one patient to another. Our Patent joint is not only thoroughly aseptic, but it is as strong as the ordinary pattern. It may be unjointed in a second or two and as quickly put together. It combines all the necessary requisites in a perfect-working desirable instrument, and customers need have no hesitancy in ordering instruments constructed with our patent joint.

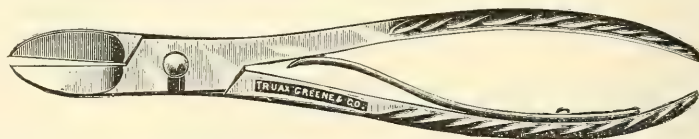


Fig. 2246. Liston's Straight Bone Forcep, Aseptic, \$2.00; without spring \$1.85. See page 1059.

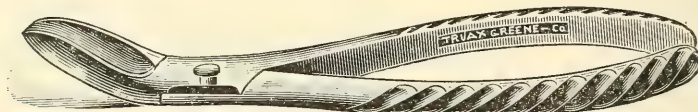


Fig. 2247. Liston's Curved Bone Forcep, Aseptic, \$2.25. See page 1059.

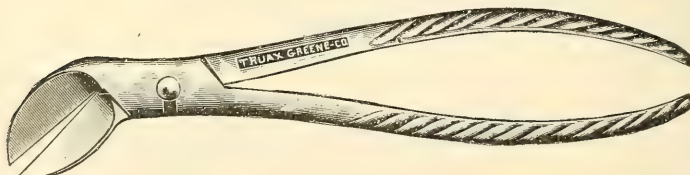


Fig. 2248. Bone Forceps, angular bent, Aseptic, \$2.25. See page 1059.



Fig. 2249. Satterlee's Bone Forceps, Aseptic. \$2.00. See page 1059.



AMPUTATING AND GENERAL OPERATING INSTRUMENTS.

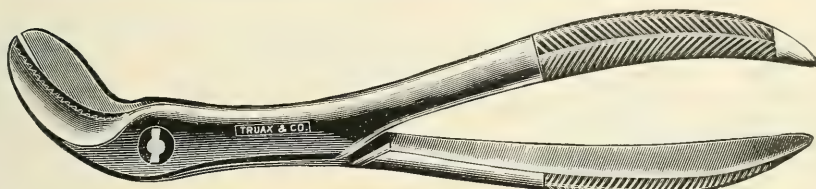


Fig. 2258. Charriere's Bone Cutting Forcep, Aseptible, \$4.00. See page 1059.



Fig. 2261. Plain Rib Shears, Aseptible, \$3.75. See page 1064.



Fig. 2262. Farabeuf's Bone Holding Forcep, Aseptible, \$4.50. See page 1059.

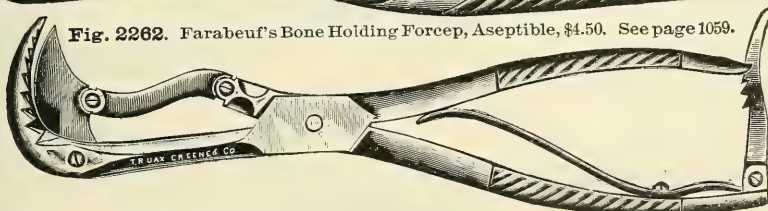


Fig. 2263. Lucke's Rib Shears, Aseptible, \$9.50. See page 1064.



Fig. 2265. Denison's Rib Shears, \$10.50. See page 1064.

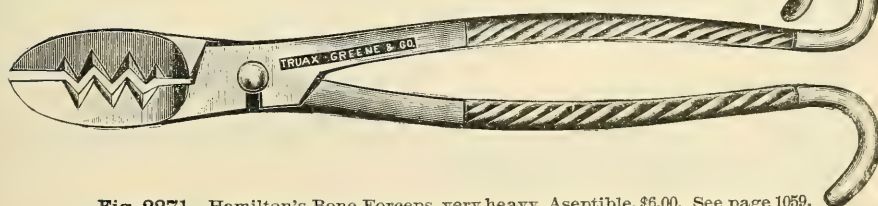


Fig. 2271. Hamilton's Bone Forceps, very heavy, Aseptible, \$6.00. See page 1059.

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AMPUTATING AND GENERAL OPERATING INSTRUMENTS.

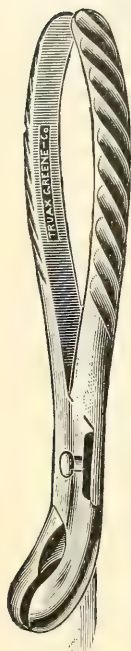


Fig. 2286. Luer's Curved Bone Gouging Forceps, Aseptible, \$2.50. See page 1059.



Fig. 2285. Luer's Straight Bone Gouging Forceps, Aseptible, \$2.50. See page 1059.

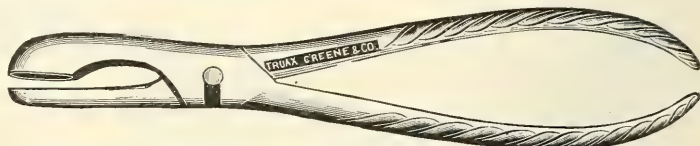


Fig. 2280. Carl Beck's Microcephalus Forceps, Aseptible, \$3.00. See page 1059.

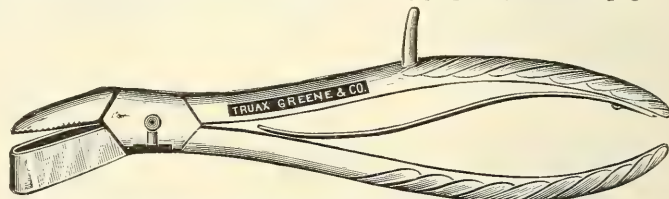


Fig. 2283. Hoffman's Bone Gouging Forcep, Aseptible, \$3.00. See page 1059.

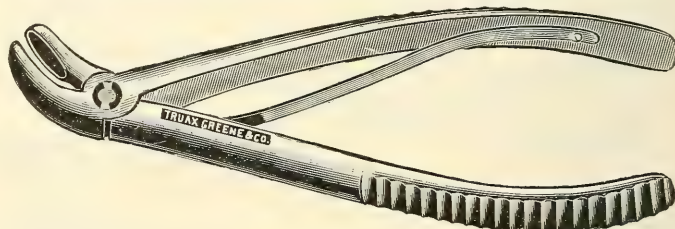


Fig. 2287. Andrew's Rangeur, for enlarging the Trepine hole in base of skull in removing the gasserion ganglion, aseptible, \$3.00.

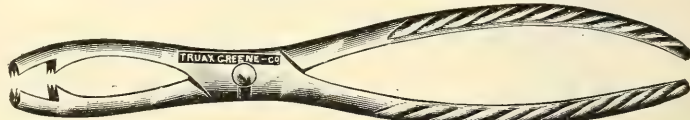


Fig. 2288. Ferguson's Bone Holding Forcep, Aseptible, \$2.25. See page 1059.

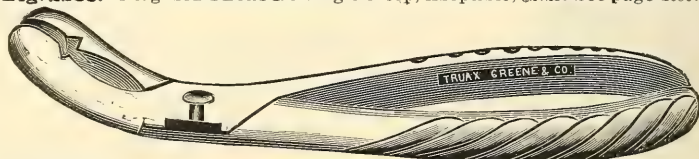


Fig. 2289. Darby's Bone Gouging Forcep, Aseptible, \$3.00. See page 1059.



Fig. 2290. Hamilton's Bone Holding Forceps, Aseptible, \$3.00. See page 1059.



Fig. 2291. Velpau's Bone Cutting Forcep, Aseptible, \$3.00. See page 1059.

AMPUTATING AND GENERAL OPERATING INSTRUMENTS.



Fig. 2300. Post's Toe Nail Forceps, Aseptible, \$2.00. See page 1059.



Fig. 2301. Curved Sequestrum Forceps, Aseptible, \$1.85. See page 1059.



Fig. 2302. Van Buren's Sequestrum Forceps, Aseptible, \$2.00. See page 1059.



Fig. 2303. Hamilton's Sequestrum Forceps, Aseptible, \$1.85. See page 1059.



Fig. 2304. Knapp's Intestinal Clamp, Aseptible, \$1.00. See page 1056.

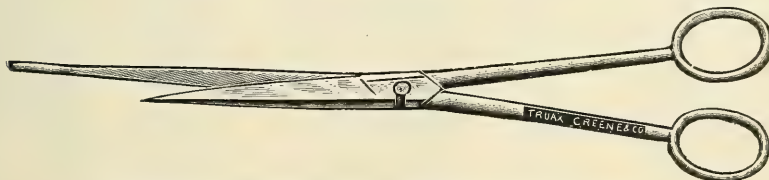


Fig. 2305. Artery Scissors, Aseptible, \$1.10. See page 1064.

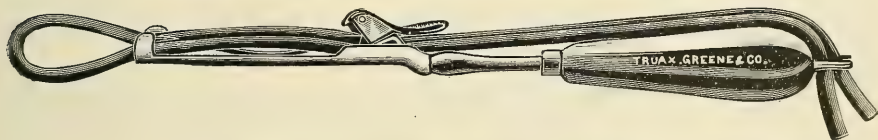


Fig. 2306. Pozzi's Serre-noué with Elastic Ligature, \$7.50. See page 1064.

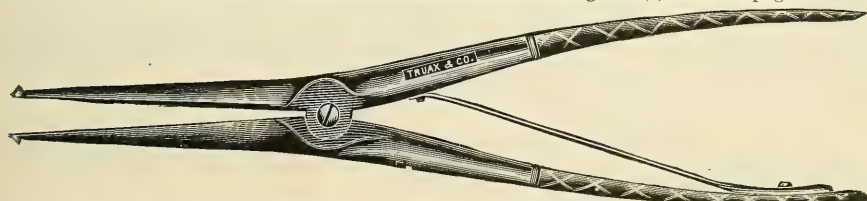


Fig. 2307. Bigelow's Sinus Dilator, \$4.50. See page 1056.



AMPUTATING AND GENERAL OPERATING INSTRUMENTS.



Fig. 2312. Liston's Long Amputating Knife, Aseptible, \$2.75.



Fig. 2313. Liston's Medium Amputating Knife, Aseptible, \$2.25.

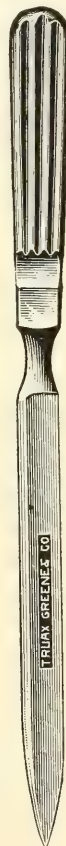


Fig. 2314. Liston's Small Amputating Knife, Aseptible, \$2.00.

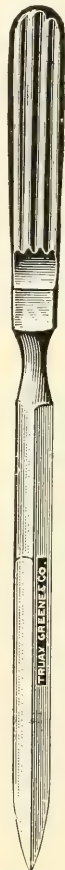


Fig. 2315. Short Amputating Catling, Aseptible, \$2.25.



Fig. 2318. French Finger Knife, Aseptible, \$1.50.



Fig. 2320. Virchow's Cartilage or Amputating Knife, convex blade, \$1.75.



Fig. 2323. Virchow's Cartilage or Amputating Knife, center point, Aseptible, \$1.75.



Fig. 2308. Amputating Scalpel, large, No. 0, Aseptible, \$1.10.



Fig. 2309. Amputating Scalpel, very large, No. 00, Aseptible, \$1.25.



Fig. 2310. Cartilage Knife, Aseptible, \$1.50.



Fig. 2311. Heavy Tenaculum, Aseptible, \$1.25.



AMPUTATING AND GENERAL OPERATING INSTRUMENTS.

HOLLOW HANDLE MINOR OPERATING KNIVES, SELECTED QUALITY.

SEE PAGE 1060.



Fig. 2336. Cooper's Hernia Knife, Aseptible, \$1.00.



Fig. 2338. Sharp Point Tenatome, Aseptible, \$1.00.



Fig. 2339. Blunt Point Tenatome, Aseptible, \$1.00.



Fig. 2332. Gum Lance, Aseptible, \$1.00.



Fig. 2333. Tenaculum, Aseptible, \$1.00.



Fig. 2335. Aneurism Needle, Aseptible, \$1.00.

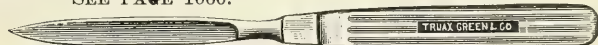


Fig. 2326. Straight Sharp Point Bistoury, Aseptible, \$1.00.



Fig. 2327. Straight Blunt Point Bistoury, Aseptible, \$1.00.



Fig. 2328. Curved Blunt Point Bistoury, Aseptible, \$1.00.



Fig. 2329. Curved Sharp Point Bistoury, Aseptible, \$1.00.



Fig. 2330. Symes' Abscess Knife, Aseptible, \$1.00.



Fig. 2341. Large Scalpel, No. 1, Aseptible, \$1.00.



Fig. 2344. Medium Scalpel, No. 2, Aseptible, \$1.00.



Fig. 2347. Small Scalpel, No. 3, Aseptible, \$1.00.



Fig. 2349. Extra Small Scalpel, No. 4, Aseptible, \$1.00.



Fig. 2350. Large Center Point Scalpel, Aseptible, \$1.00.



Fig. 2351. Small Center Point Scalpel, Aseptible, \$1.00.



MINOR OPERATING KNIVES MADE FROM ONE PIECE STEEL.



Fig. 2379. Concave Tenatome, Aseptible, 75c.



Fig. 2380. Convex Tenatome, Aseptible, 75c.



Fig. 2381. Gum Lance, Aseptible, 75c.



Fig. 2373. Aneurism Needle, Aseptible, 75c. See page 1060.



Fig. 2375. Tenaculum, Aseptible, 75c. See page 1060.



Fig. 2377. Small Tenaculum, Aseptible, 75c. See page 1060.



Fig. 2357. Large Scalpel, Aseptible, 75c.



Fig. 2358. Medium Scalpel, Aseptible, 75c.



Fig. 2359. Small Scalpel, Aseptible, 75c.



Fig. 2360. Large Center Point Scalpel, Aseptible, 75c.

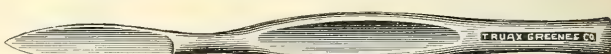


Fig. 2361. Small Center Point Scalpel, Aseptible, 75c.

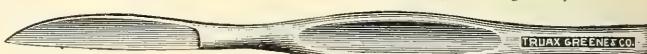


Fig. 2362. Straight Edge Scalpel, Aseptible, 75c.



Fig. 2363. Straight Sharp Point Bistoury, Aseptible, 75c.



Fig. 2364. Straight Blunt Point Bistoury, Aseptible, 75c.



Fig. 2365. Curved Sharp Point Bistoury, Aseptible, 75c.
See page 670.



Fig. 2366. Symes' Abscess Knife, Aseptible, 75c.



Fig. 2367. Curved Blunt Point Bistoury, Aseptible, 75c.



Fig. 2368. Cooper's Hernia Knife Aseptible, 75c.



Fig. 2369. Straight Sharp Point Tenatome, Aseptible, 75c.

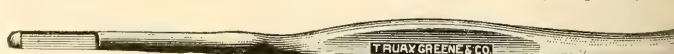


Fig. 2370. Straight Blunt Point Tenatome, Aseptible, 75c.



AMPUTATING AND GENERAL OPERATING INSTRUMENTS.



Fig. 2388. Frank's Small Resection Scalpel, Aseptible, \$1.50. See page 1061.



Fig. 2389. Frank's Large Resection Scalpel, Aseptible, \$1.50. See page 1061.



Fig. 2390. Frank's Sharp Point Resection Bistoury, Aseptible, \$1.50. See page 1061.



Fig. 2391. Frank's Probe Point Resection Bistoury, \$1.50. See page 1061.
Frank's set of four Knives, in case, \$7.00.



Fig. 2392. Shear's Large Convex Edge Tenatome, Aseptible, \$1.00. See page 1065.



Fig. 2393. Shear's Large Bellied Tenatome, Aseptible, \$1.00. See page 1065.



Fig. 2394. Shear's Large Straight Tenatome, Aseptible, \$1.00. See page 1065.



Fig. 2395. Shear's Small Convex Edge Tenatome, Aseptible, \$1.00. See page 1065.



Fig. 2396. Shear's Small Concave Edge Tenatome, Aseptible, \$1.00. See page 1065.



Fig. 2397. Shear's Small Straight Tenatome, Aseptible, \$1.00. See page 1065.
Shear's set of 6, in neat case, \$7.25.

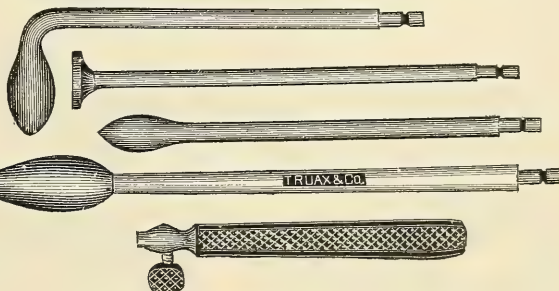


Fig. 2398. Cautery Irons, Aseptible, each, \$1.00; handles, 75c.; set, \$4.00. See page 1060.



Fig. 2399. Silver Probes, pair, 50c. See page 1062.

Fig. 2409. Silver Probes, Extra Length, pair, 60c. to \$1.35. See page 1062.

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AMPUTATING AND GENERAL OPERATING INSTRUMENTS.

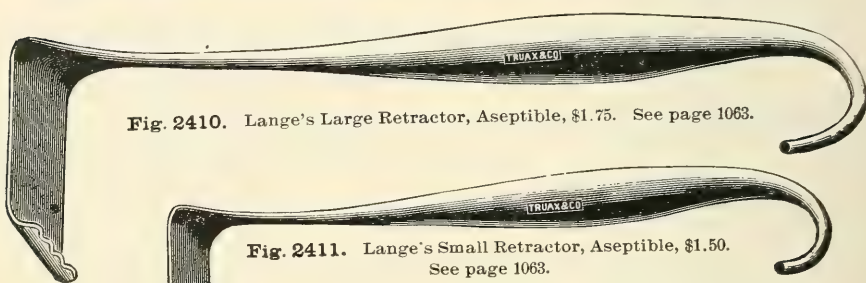


Fig. 2410. Lange's Large Retractor, Aseptible, \$1.75. See page 1063.

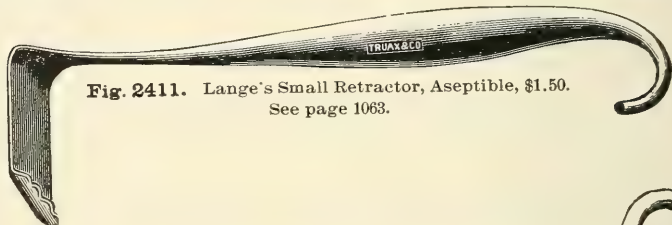


Fig. 2411. Lange's Small Retractor, Aseptible, \$1.50. See page 1063.

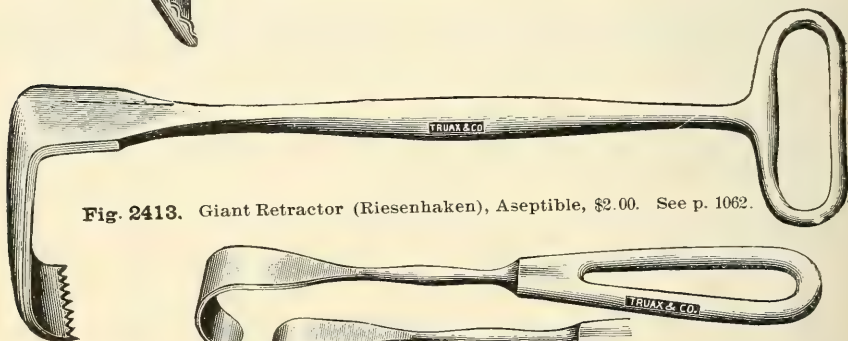


Fig. 2413. Giant Retractor (Riesenhaken), Aseptible, \$2.00. See p. 1062.

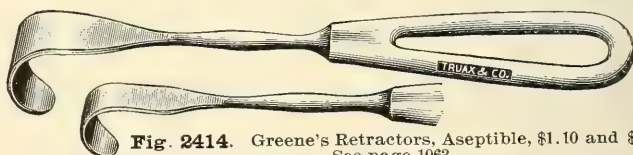


Fig. 2414. Greene's Retractors, Aseptible, \$1.10 and \$1.25. See page 1063.

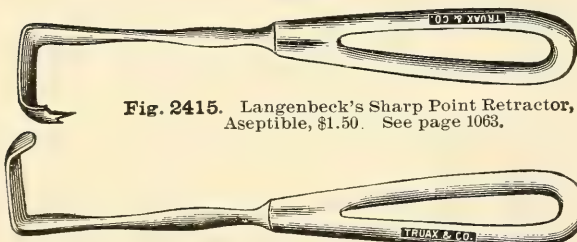


Fig. 2415. Langenbeck's Sharp Point Retractor, Aseptible, \$1.50. See page 1063.



Fig. 2416. Langenbeck's Blunt Retractor, Aseptible, \$1.50. See page 1063.

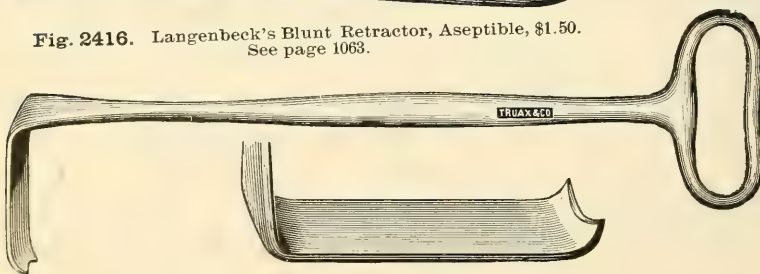


Fig. 2417. Hagedorn's Retractor, Aseptible, \$1.50. See page 1063.



Fig. 2418. Lange's Curved Retractor, Aseptible, \$1.25. See page 1063.

AMPUTATING AND GENERAL OPERATING INSTRUMENTS.



Fig. 2440. Ollier's Retractor, Aseptible, \$1.25. See page 1062.



Fig. 2425. Stout Bone Hook or Tenaculum. Aseptible, \$1.25.

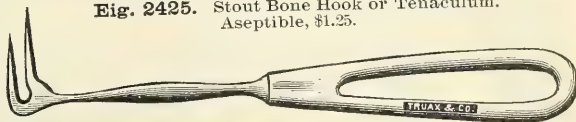


Fig. 2426. Bilroth's 2-prong Retractor, Aseptible, \$1.50. See page 1032.



Fig. 2428. Bilroth's 3-prong Retractor, Aseptible, \$1.50. See page 1062.



Fig. 2430. Volkman's 6-prong Retractor, Aseptible, \$2.00. See page 1063.



Fig. 2431. Volkman's 4-prong Retractor, Aseptible, \$1.75. See page 1063.



Fig. 2434. Volkman's 3-prong Retractor, Aseptible, \$1.50. See page 1063.



Fig. 2435. Volkman's 2-prong Retractor, Aseptible, \$1.25. See page 1063.



Fig. 2437. Stout Single Hook, Aseptible, \$1.00. See page 1063.

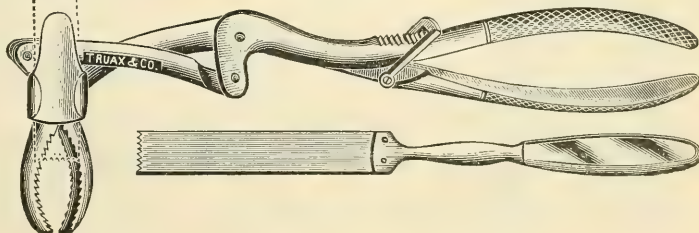


Fig. 2439. Wyeth's Exsector, \$15.00. See page 1057.

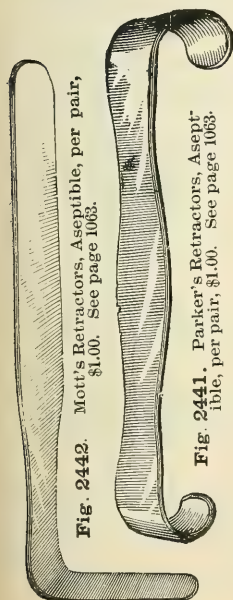


Fig. 2442. Mott's Retractors, Aseptible, per pair, \$1.00. See page 1063.

Fig. 2441. Parker's Retractors, Aseptible, per pair, \$1.00. See page 1063.



AMPUTATING AND GENERAL OPERATING INSTRUMENTS.



Fig. 2462. Von Brun's Aseptic Gouge, left, \$1.75. See page 1060.



Fig. 2463. Von Brun's Aseptic Gouge, curved, \$2.00. See page 1060.



Fig. 2460. Luer's Aseptic Gouge, left, \$2.00. See page 1060.



Fig. 2461. Luer's Aseptic Gouge, right, \$2.00. See page 1060.

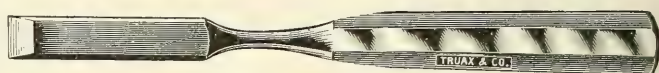


Fig. 2447. Von Brun's Straight Bone Chisel, Aseptic, \$1.25. See page 1056.

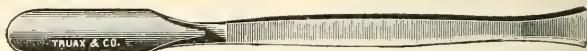


Fig. 2448. Plain Gouge, Aseptic, 75c. See page 1060.



Fig. 2453. MacEwan's Chisels, Aseptic, each \$2.25. See page 1056



Fig. 2454. MacEwan's Gouges, Aseptic, each \$2.50. See page 1060



Fig. 2456. MacEwan's Curved Gouges, Aseptic, each \$2.75. See page 1060.

AMPUTATING AND GENERAL OPERATING INSTRUMENTS.



Fig. 2472. Szymanowsky's Gouge, Aseptible, \$1.50. See page 1060.



Fig. 2467. Plain Curved Gouge, Aseptible, \$1.15. See page 1060.



Fig. 2468. Plain Chisel, Aseptible, 65c to \$1.00. See page 1056.



Fig. 2469. Gouge, for use with hand or mallet, Aseptible, \$1.00. See page 1060



Fig. 2470. Dolore's Chisel, Aseptible, \$2.75. See page 1056.

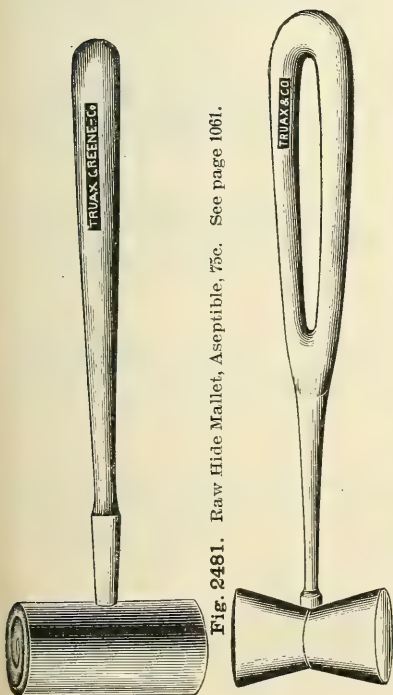


Fig. 2481. Raw Hide Mallet, Aseptible, 75c. See page 1061.

Fig. 2482. Lead Mallet, Aseptible, \$1.50. See page 1061.

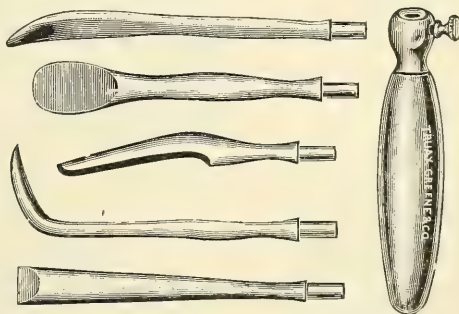


Fig. 2479. Darby's set Gouges and Chisels, Aseptible, \$5.00. See page 1056.

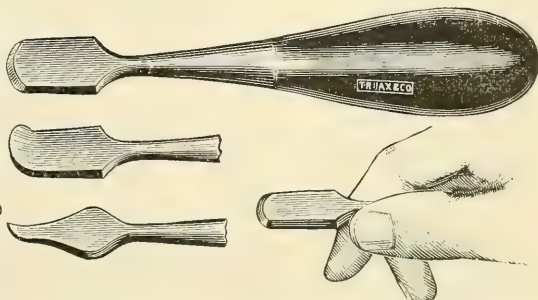


Fig. 2480. Van Arsdale's Periosteum Elevators, \$4.50. See page 1057.



AMPUTATING AND GENERAL OPERATING INSTRUMENTS.



Fig. 2503. Sayre's Periosteotome, Aseptible, \$1.50. See page 1062.



Fig. 2504. Elevator and Raspatory, Aseptible, \$1.00. See page 1057.



Fig. 2501. Langenbeck's Rectangular Raspatory, Aseptible, \$1.45. See page 1062.



Fig. 2502. Ollier's Knife Edge Raspatory, Aseptible, \$1.50. See page 1062.



Fig. 2485. Sand's Periosteotome, Aseptible, \$1.75. See page 1062.



Fig. 2486. Schroder's Bone Scoop, Aseptible, \$1.90. See page 1064.



Fig. 2487. Hebra's Bone Scoop, Aseptible, \$1.50. See page 1064.



Fig. 2493. Von Brun's Bone Scoop, Aseptible, \$1.40. See page 1064.



Fig. 2495. Circle Gouge, sharp at both ends, Aseptible, \$2.00. See page 1060.



Fig. 2496. Volkman's Sharp Spoon, Aseptible, \$1.40. See page 1064.

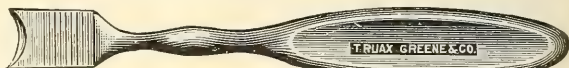


Fig. 2497. Mathien's Concave Raspatory, Aseptible, \$1.25. See page 1062.



Fig. 2498. Sedilott's Raspatory, Aseptible, \$1.00. See page 1062.



Fig. 2499. Hamilton's Dry Dissector, Aseptible, \$1.00. See page 1057.



Fig. 2500. D. H. Williams Periosteotome and Elevator, Aseptible, \$1.50. See page 1062.

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AMPUTATING AND GENERAL OPERATING INSTRUMENTS.

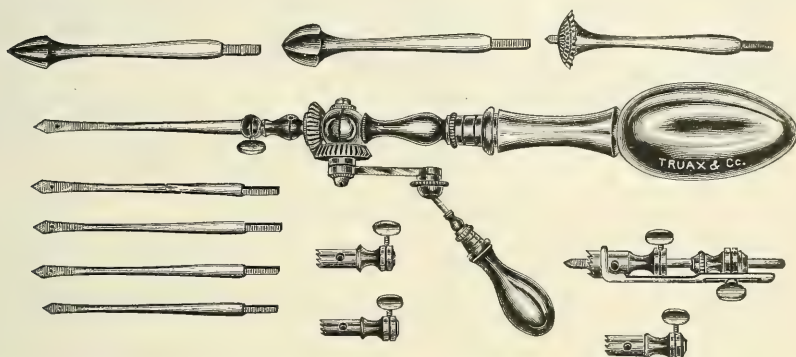


Fig. 2506. Collins' Drills and Bone Trephines, all metal, complete, in case, \$22.50. See page 1057.

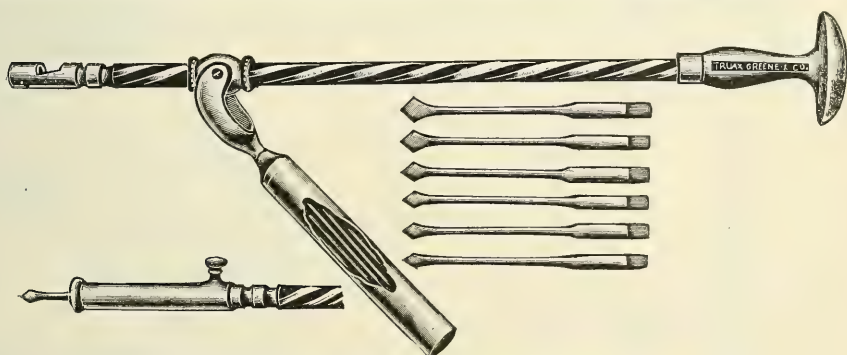


Fig. 2507. Hamilton's Bone Drills with guard, aseptic, \$4.00. See page 1057.
(Drills to be kept in the hollow handle).

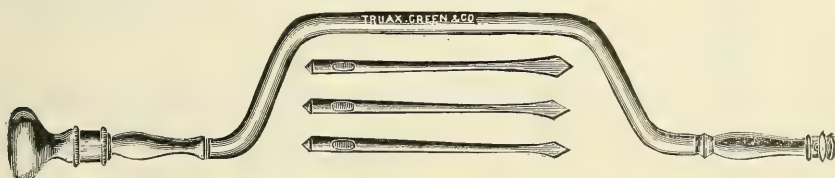


Fig. 2508. Langenbeck's Drills, all metal, \$4.50. See page 1057.

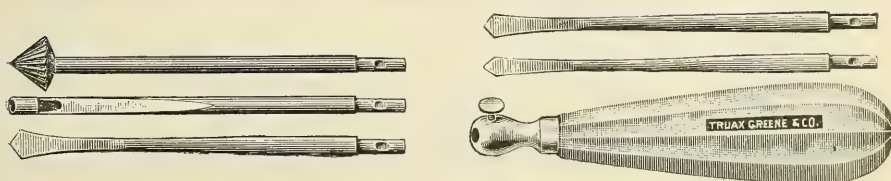


Fig. 2509. Brainard's Bone Drills, Aseptic, \$2.50. See page 1057.

AMPUTATING AND GENERAL OPERATING INSTRUMENTS.

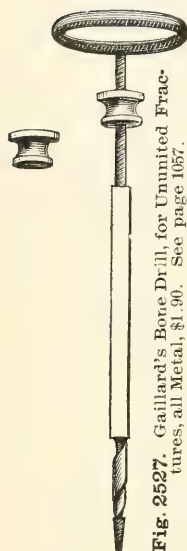


Fig. 2527. Gaillard's Bore Drill for Ununited Fractures, all Metal, \$1.90. See page 1057.

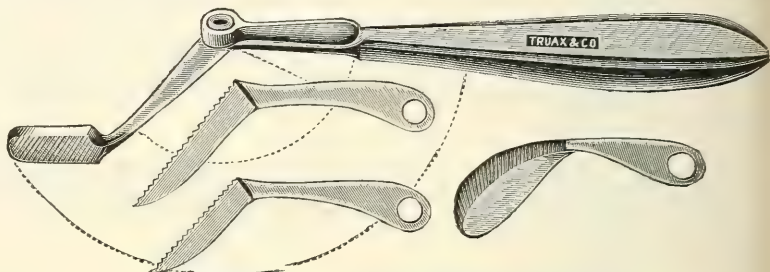


Fig. 2515. MacEwan's Set for Genu Valgum, \$7.50.



Fig. 2516. Pope's Antrum Drill, all metal, \$2.60. See page 1057.

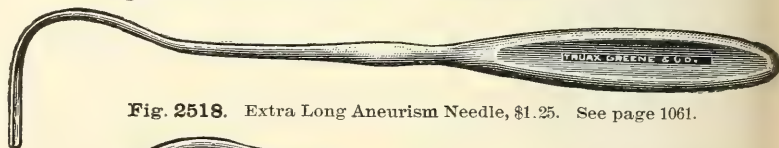


Fig. 2518. Extra Long Aneurism Needle, \$1.25. See page 1061.

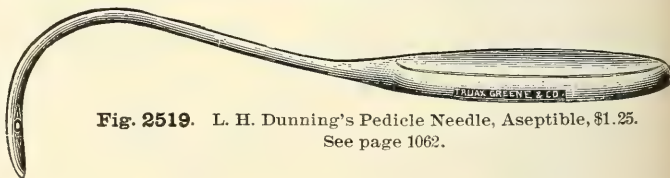


Fig. 2519. L. H. Dunning's Pedicle Needle, Aseptible, \$1.25. See page 1062.



Fig. 2520. Helical Artery Needle, Right and Left, Aseptible, each \$1.50. See page 1062.



Fig. 2521. Director and Tongue Tie, Aseptible, Metal, 40c.; Steel, 75c. See page 1057.

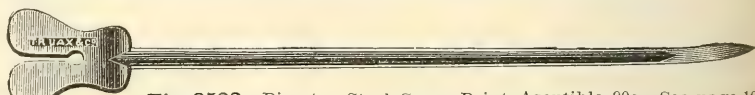


Fig. 2522. Director, Steel, Spear Point, Aseptible, 90c. See page 1057.



Fig. 2523. Director, Steel, Probe Point, Aseptible, 90c. See page 1057.



Fig. 2524. Director and Aneurism Needle, Aseptible, 40c. See page 1057.



Fig. 2526. Forte Meche, 30c. See page 1062.

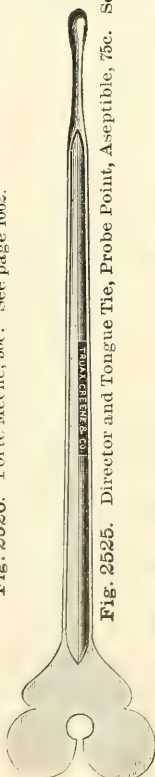


Fig. 2525. Director and Tongue Tie, Probe Point, Aseptible, 75c. See page 1057.

AMPUTATING AND GENERAL OPERATING INSTRUMENTS.



Fig. 2528. Straight Wire Serresfins, each, 15c.; doz., \$1.75. See page 1064.



Fig. 2530. Curved Wire Serresfins, each, 15c.; doz., \$1.75. See page 1064.



Fig. 2531. Langenbeck's Serresfins, 50c.; doz., \$4.75.



Fig. 2532. Langenbeck's Curved Serresfins, 50c.; doz., \$4.75. See page 1064.



Fig. 2533. Jointed Serresfins, 50c. See page 1064.



Fig. 2534. Milne's Artery Forcep, \$1.10. See page 1057.

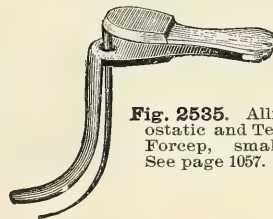


Fig. 2535. Allis' Hemostatic and Tenaculum Forcep, small, \$1.00. See page 1057.

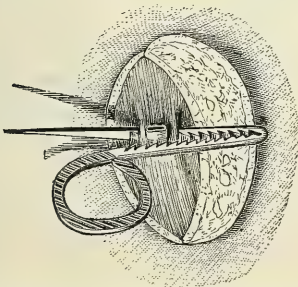


Fig. 2536. Levis' Artery Compressor, 25c. See page 1056.

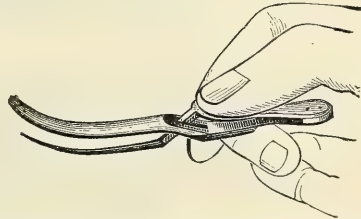


Fig. 2537. Allis' Hemostatic Forcep, \$1.10. See page 1057.

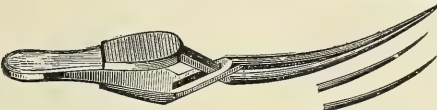


Fig. 2538. Allis' Needle Point Hemostatic Forcep, \$1.25. See page 1057.



Fig. 2539. Buck's Pins, 5c. to 15c. per doz. See page 1062.



Fig. 2540. Acupressure Needles, 10c. See page 1061.

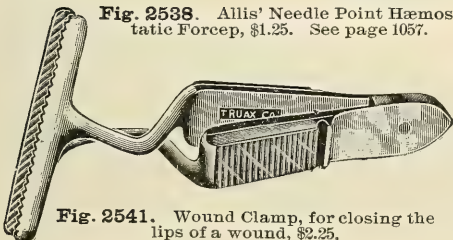


Fig. 2541. Wound Clamp, for closing the lips of a wound, \$2.25.

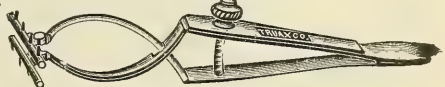


Fig. 2542. Wound Opener, for spreading the lips of a wound, jointed arms, \$3.75.



AMPUTATING AND GENERAL OPERATING INSTRUMENTS.

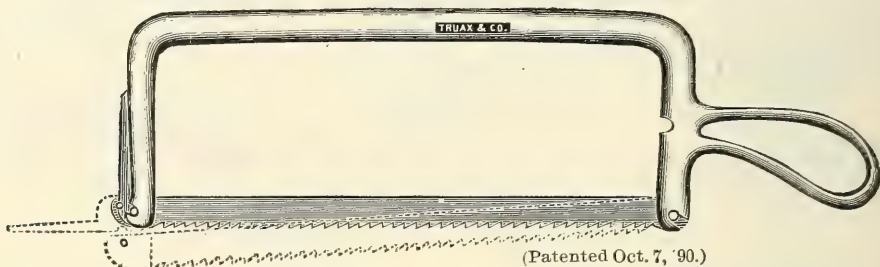


Fig. 2543. Truax's Patent Aseptible Bow Saw, \$4.00. See page 1063.

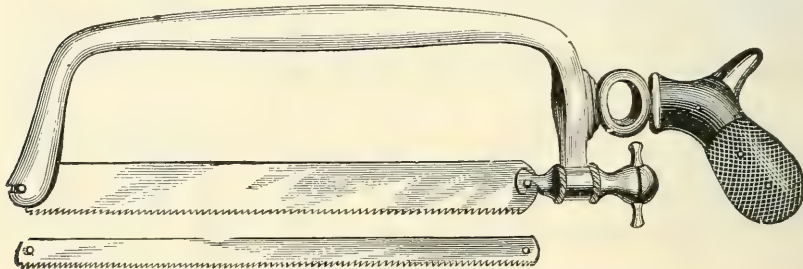


Fig. 2544. Capital Bow Saw, all metal, \$5.00. See page 1063.

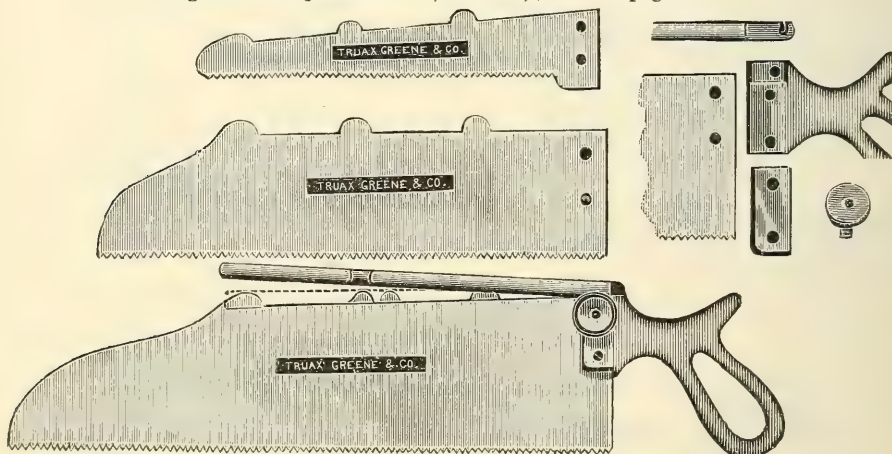


Fig. 2545. Truax's Capital Saw, three blades, Aseptible, \$4.50. This saw is also furnished with one or two blades. See page 1063.



Fig. 2546. Parker's Capital Saw, all metal, \$3.00. See page 1063.

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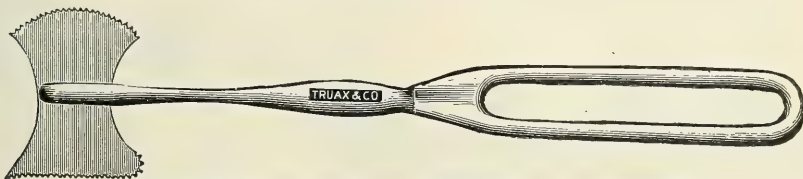


Fig. 2562. Hey's Skull Saw, Aseptible, \$1.30. See page 1063.



Fig. 2563. Plain Metacarpal Saw, Aseptible, \$1.25. See page 1063.

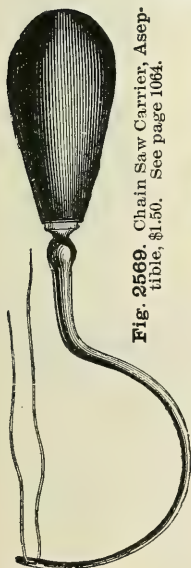


Fig. 2569. Chain Saw Carrier, Aseptible, \$1.50. See page 1064.

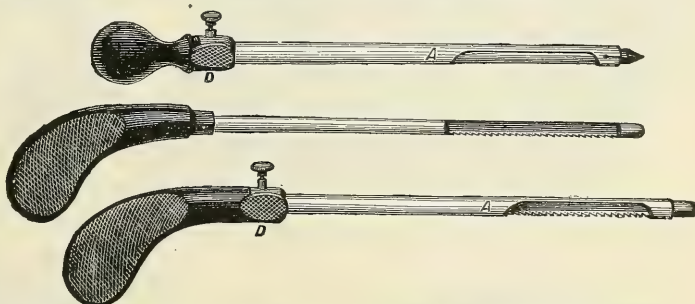


Fig. 2564. Shrady's Subcutaneous Saw and Trocar, \$5.25. See page 1064.

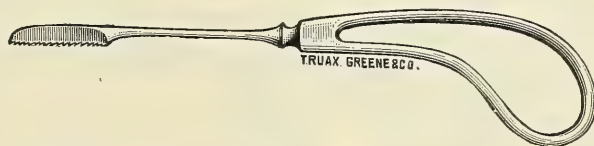


Fig. 2567. Adams' Subcutaneous Saw, Aseptible, \$2.00. See page 1063.



Fig. 2568. Lente's Interosseous Saw, Aseptible, \$1.15. See page 1063.

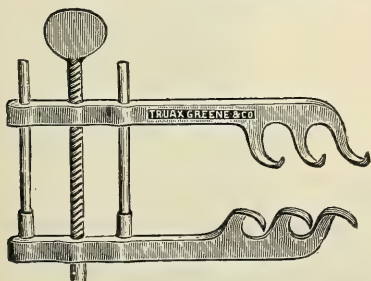


Fig. 2570. Barth's Retractor all metal, \$4.00. See page 1062.

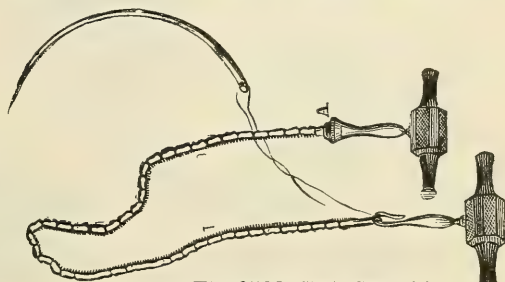


Fig. 2566. Chain Saw with Rotating Handles, \$6.00. See page 1063.

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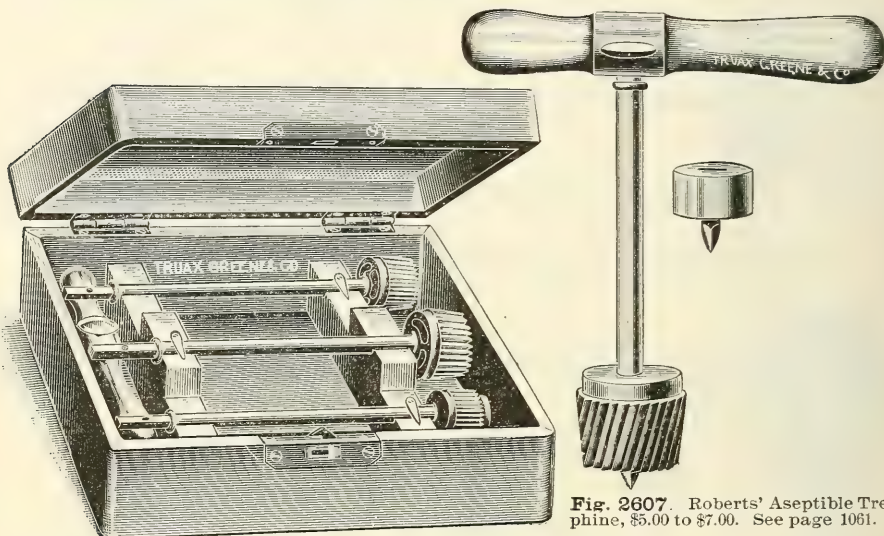


Fig. 2606. Roberts' Set Aseptic Trephines, \$16.00.
See page 1061.

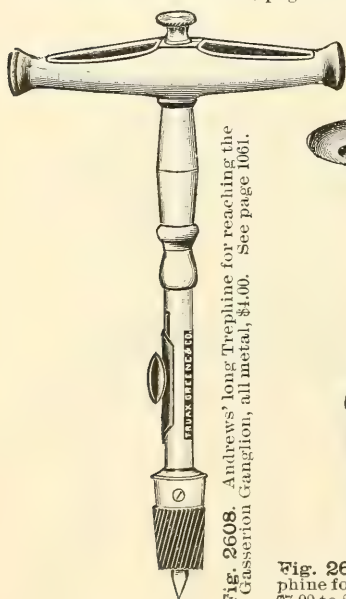


Fig. 2608. Andrews' long Trephine for reaching the Gasserion Ganglion, all metal, \$4.00. See page 1061.

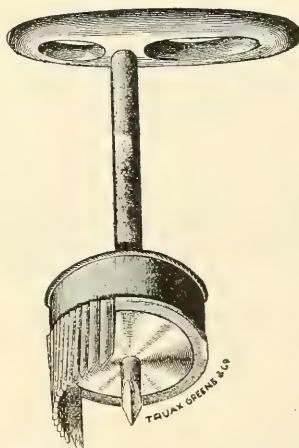


Fig. 2610. Roberts' Segment Trephine for enlarging the first opening, \$7.00 to \$8.00. See page 1061.

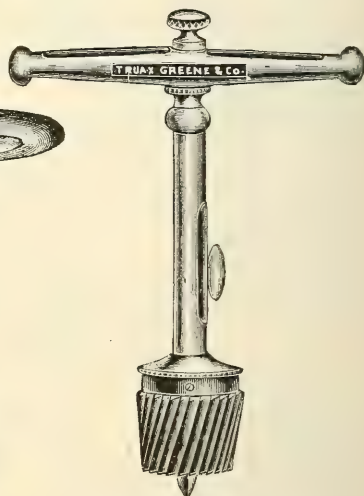


Fig. 2612. Galt's Trephine, all metal, \$2.75. See page 1061.



Fig. 2614. Bone Spoon and Tongue Tie, Steel, \$1.00.

AMPUTATING AND GENERAL OPERATING INSTRUMENTS.

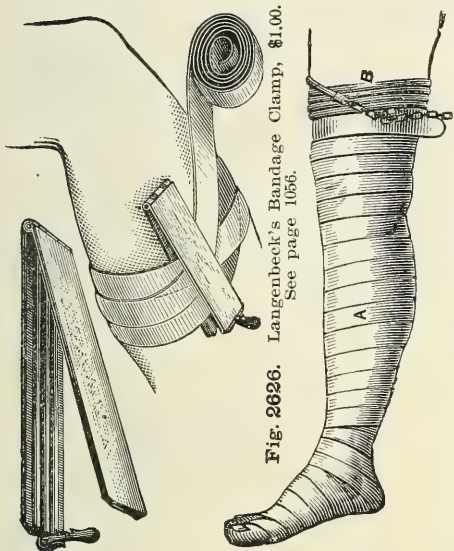


Fig. 2626. Langenbeck's Bandage Clamp, \$1.00.
See page 1066.

Fig. 2628. Esmarch's Tourniquet, complete, \$2.75. See page 1065.

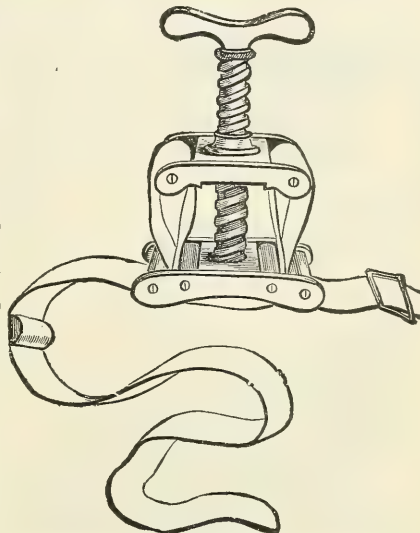


Fig. 2630. Pettit's Spiral Tourniquet, \$1.50.
See page 1065.

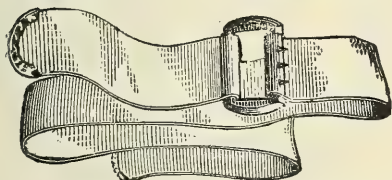


Fig. 2632. Prussian Tourniquet, 60c. See page 1065.

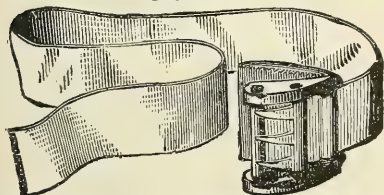


Fig. 2636. U. S. A. Field Tourniquet, 75c.
See page 1065

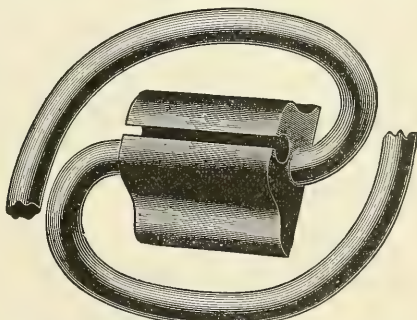


Fig. 2634. Esmarch's Emergency Tourniquet, with Elastic Ligator, complete, 50c.
See page 1065.

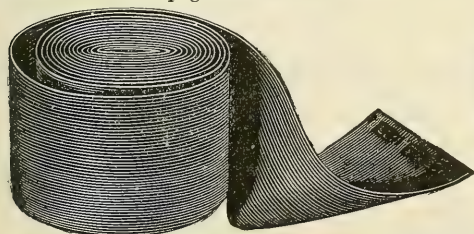
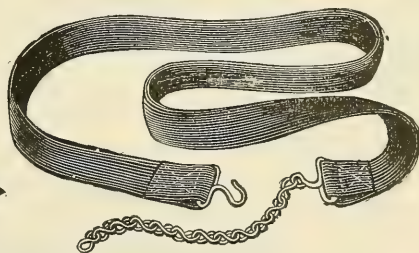


Fig. 2638. Esmarch's Tourniquet, complete, \$2.25. See page 1065.
This consists of 3 yards of heavy rubber bandage, flat rubber strap, and safety chain.



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AMPUTATING AND GENERAL OPERATING INSTRUMENTS.

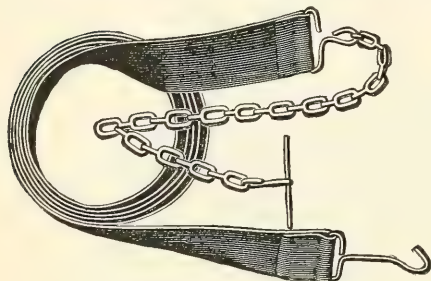


Fig. 2650. Esmarch's Strap and Chain.

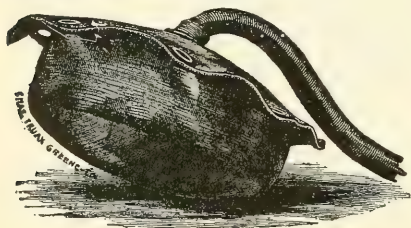


Fig. 2653. L. H. Dunning's Soft Rubber Kidney pad, \$1.50

The pad is an elastic rubber air cushion $2\frac{1}{2}$ inches in diameter and when inflated $\frac{1}{4}$ of an inch thick. It should be fastened to the under surface of an abdominal bandage which has a few light stays in front and laces behind. It should rest upon the abdominal surface when applied so that the upper border is slightly above the level of the umbilicus and the under border should rest near the umbilicus.

DAVIDSON RUBBER CO'S

ESMARCH'S TOURNIQUETS.

These Tourniquets are made of the finest Para Rubber, are put together in the most thorough manner and will be found strong, elastic and smooth in finish.

We put them up either with or without the Bandage.

Price for Strap and Chain, \$1.00. See page 1065.

Physicians desiring Davidson's goods are requested to specify them in ordering.



Fig. 2652. Ward Cousins' Instantaneous Tourniquet, \$2.00. See page 1065.

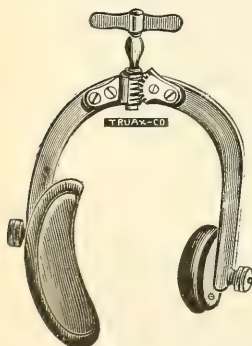


Fig. 2651. Signoroni's Tourniquet, \$10.00. See page 1065.

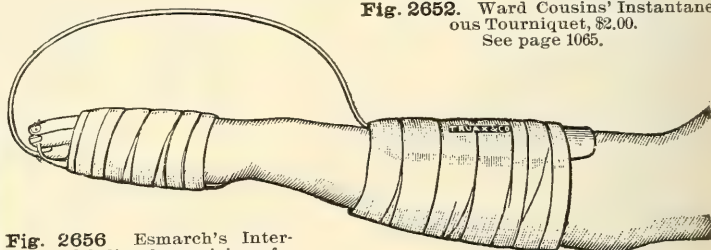


Fig. 2656 Esmarch's Interrupted Splint for excision of wrist, \$3.00.

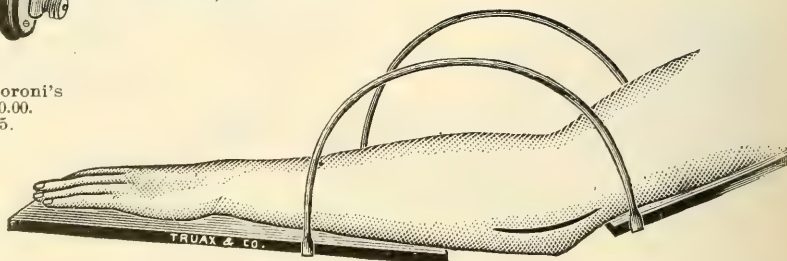


Fig. 2658. Esmarch's Interrupted Splint for Excision of Elbow, \$3.00.



DISSECTING AND POST-MORTEM INSTRUMENTS.

BLOW PIPES, Fig. 2717.....	\$ 0 15
Sherman's.....	35
CHAIN AND HOOK, Fig. 2707.....	20
CHISEL, plain.....	35
with shoulder, best finish.....	1 00
Brunetti's right.....	2 25
" left.....	2 25
Rachitome.....	1 25
CLAMP, Calivarian, for holding the skull.....	4 25
COSTOTOME, fine.....	4 00
Chisel, Fig. 2734.....	1 15
Chisel and hammer, Virchow's.....	2 25
ENTEROTOME, Fig. 2722.....	1 75
FORCEPS, Dissecting, Fig. 2723.....	40
Dissecting, Sherman's, Fig. 2727.....	65
Post-Mortem, with rat teeth.....	1 10
HAMMER, Post-Mortem, all steel, Fig. 2718.....	1 65
And Chisel, Virchow's.....	2 25
HEAD RESTS, Tripod.....	2 25
HOOK, Calivarian.....	1 15
Dissecting, plain, see Tenaculum, Fig. 2708.....	45
Grappling, double, Fig. 2706.....	45
KNIVES, Brain, Fig. 2731.....	2 00
Cartilage, all steel, Fig. 2709.....	45
" heavy, Fig. 2310.....	1 50
And Saw, Finnel's.....	3 50
MALLET, lead, Fig. 2482.....	1 50
Steel, Fig. 2718.....	1 65
NEEDLE, Embalming or Trocar, see page 1002.	
Post-Mortem, Fig. 2716.....	15
" Finnel's.....	15
PUMP, Embalming with three points, Fig. 2754.....	17 00
RACHITOME, best, Fig. 2735.....	1 50
Chisel.....	1 50
REAMER.....	75
SAWS, lifting backs, see page 1114.	
And Knife, Finnel's, fitting one handle.....	3 75
SCALPELS, five sizes, Figs. 2711 to 2715.....	35
Sherman's, 3 sizes, Fig. 2710.....	60
SCISSORS, Arterytome, Fig. 2721.....	1 10
Dissecting, 3¾ inch.....	40
" 4½ " Fig. 2750.....	45
" light, fine sharp points, Fig. 2748.....	60
" curved, light sharp points, Fig. 2749.....	65
" Sherman's, Fig. 2753.....	75
Enterotome, Fig. 2722.....	1 75
SHEARS, Rib, Fig. 2261.....	3 75
SYRINGE, Anatomical, Fig. 2755.....	21 00
Embalming, see Allen's Pump, page 1002.	
" Omega.....	3 00
TENACULUM, Fig. 2708.....	35



DISSECTING CASES.

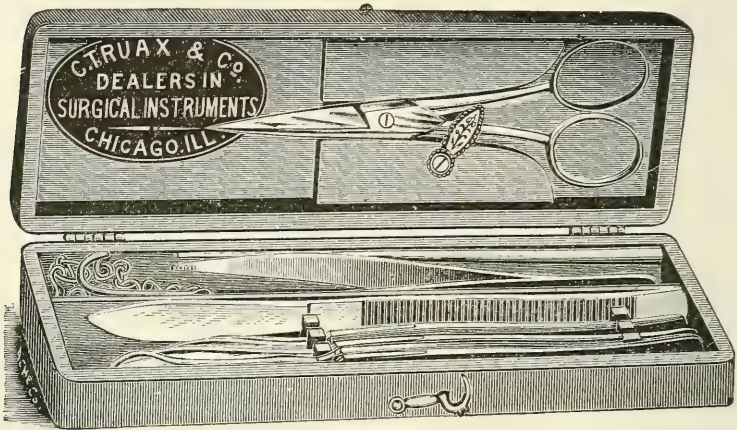


Fig. 2701. TRUAX, GREENE & CO'S No. 1 DISSECTING CASE

CONTAINING:

- 2 scalpels, 1 tenaculum, 1 dissecting scissors, 1 cartilage knife, 1 dissecting forcep,
1 blow pipe, 1 set chain hooks, all in a neat polished hardwood case..... \$2 00
TRUAX, GREENE & CO'S No. 2, containing 4 scalpels, 1 tenaculum, 1 dissect-
ing forcep, 1 dissecting scissors, 1 cartilage knife, 1 blow pipe, 1 set
chain hooks, in polished hardwood case..... 2 75
SHERMAN'S, containing 3 scalpels, assorted (Fig. 2710), 1 tenaculum, 1 dis-
secting scissors (Fig. 2753), 1 dissecting forcep (Fig. 2727), 1 blow pipe,
1 set chain hooks, all in a neat polished hardwood case..... 3 00

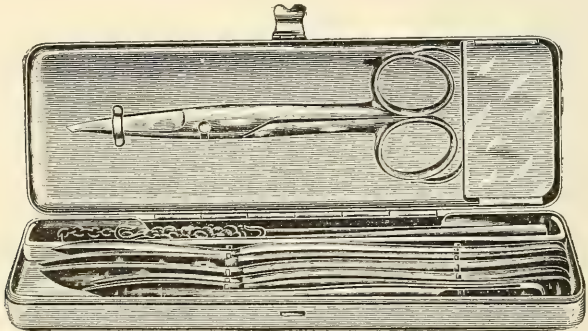


Fig. 2702. TRUAX, GREENE & CO'S ASEPTIBLE DISSECTING CASE, No. 5.

CONTAINING:

- | | |
|-----------------------------|-------------------------------|
| 1 Cartilage knife. | 1 Blow pipe. |
| 3 Scalpels, assorted sizes. | 1 Chain and Hooks. |
| 1 Tenaculum. | 1 Scissors, separable blades. |
| 1 Dissecting forcep. | |
- All in a neat all-metal case..... \$6 50



DISSECTING AND POST-MORTEM CASES.

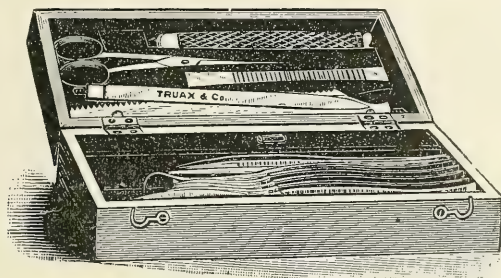


Fig. 2703. FINNEL'S POST-MORTEM CASE.

CONTAINING:

- 1 Amputating knife and Saw.
- 1 Handle to fit the above.
- 3 Assorted ebony handled scalpels.
- 1 Steel handled cartilage knife.
- 1 Straight dissecting scissors.
- 1 Steel handled tenaculum.

- 1 Set heavy chain hooks.
- 1 German silver blow pipe.
- 1 Dissecting forcep.
- 2 Needles and thread.
- 1 Chisel.

In rosewood case, with lock and key.

Price.....\$ 9 50

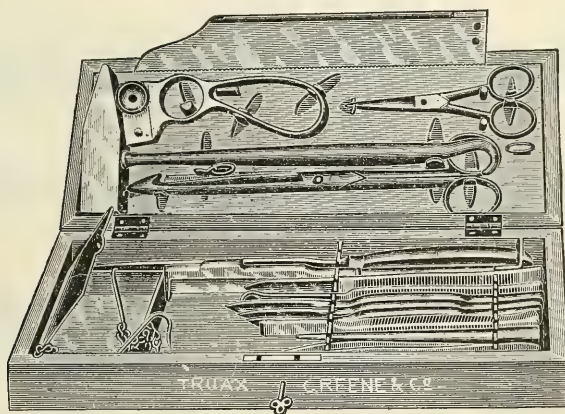


Fig. 2704. TRUAX, GREENE & CO'S POST-MORTEM CASE.

CONTAINING:

- 1 Hammer.
- 1 Costotome chisel.
- 1 Steel handle cartilage knife.
- 3 Assorted ebony handle scalpels.
- 1 Steel handle dissecting hook.
- 1 Pair plain dissecting forceps.
- 1 Enterotome
- 1 Set of heavy chain hooks.

- 1 German silver blow pipe.
- 1 Plain chisel.
- 1 Pair of straight dissecting scissors.
- 1 Amputating knife.
- 1 Saw, with lifting back and separable handle.
- 2 Needles, thread and wax.

Mahogany case, slide or lock.

Price.....\$17 00

DISSECTING AND POST MORTEM INSTRUMENTS.



Fig. 2706. Double Grappling Hook, 45c. See page 1119.



Fig. 2718. Steel Hammer, \$1.65. See page 1119.

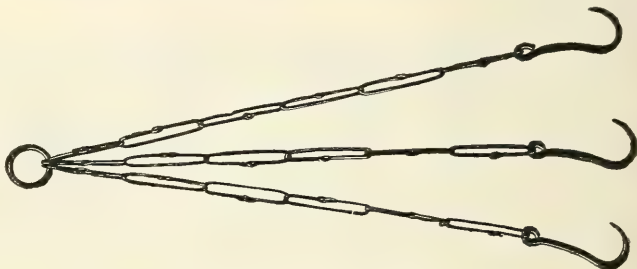


Fig. 2707. Chain and Hook, 20c. See page 1119.



Fig. 2708. Dissecting Tenaculum, 35c. See page 1119.



Fig. 2709. Dissecting Cartilage Knife, 45c. See page 1119.



Fig. 2710. Sherman's Dissecting Scalpel, 60c. See page 1119.



Fig. 2711. No. 1 Dissecting Scalpel, 35c.



Fig. 2712. No. 2 Dissecting Scalpel, 35c.



Fig. 2713. No. 3 Dissecting Scalpel, 35c.



Fig. 2714. No. 4 Dissecting Scalpel, 35c.



Fig. 2715. No. 5 Dissecting Scalpel, 35c.

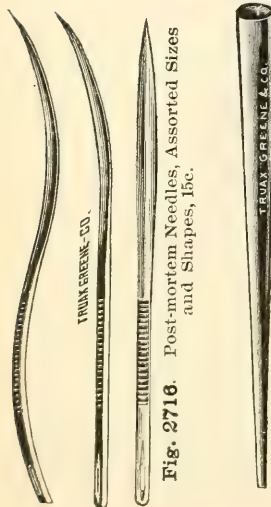


Fig. 2716. Post-mortem Needles, Assorted Sizes and Shapes, 15c.



Fig. 2717. Dissecting Blow Pipe, 15c. See page 1119.

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DISSECTING AND POST MORTEM INSTRUMENTS.

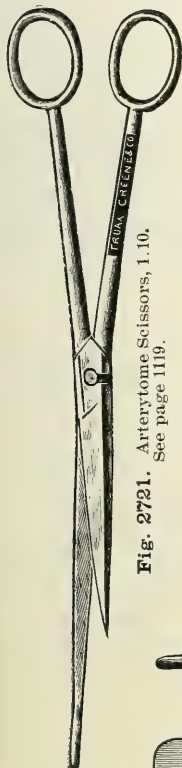


Fig. 2721. Arteriotome Scissors, 1.10.
See page 1119.

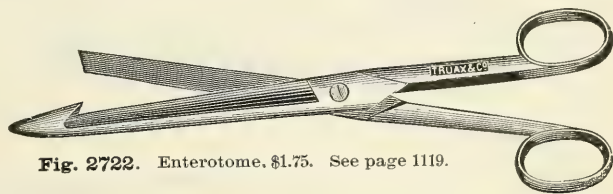


Fig. 2722. Enterotome. \$1.75. See page 1119.



Fig. 2723. Dissecting Forceps, 40c. See page 1119.

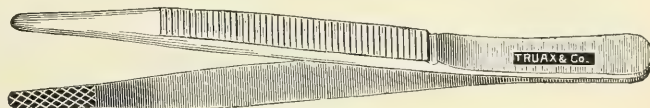


Fig. 2727. Sherman's Dissecting Forceps, 65c. See page 1119.



Fig. 2729. Brunetti's Chisels, Right and Left, each, \$2.25. See page 1119.



Fig. 2731. Brain Knife, \$2.00. See page 1119.



Fig. 2734. Costotome Chisel, \$1.15. See page 1119.

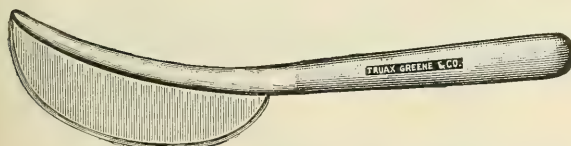


Fig. 2735. Rachitome Knife, \$1.50. See page 1119.

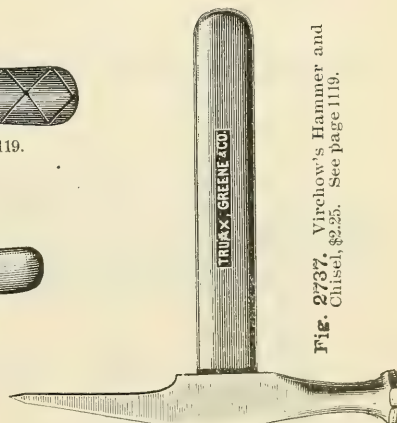


Fig. 2737. Virchow's Hammer and
Chisel, \$2.25. See page 1119.

HAS TRUAX & GREENE & Co.

DISSECTING INSTRUMENTS.

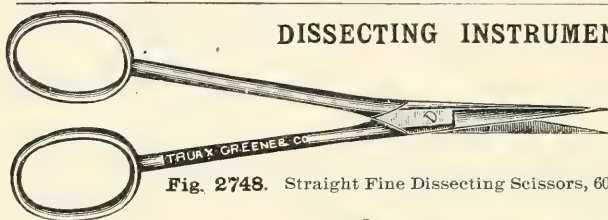


Fig. 2748. Straight Fine Dissecting Scissors, 60c. See page 1119.

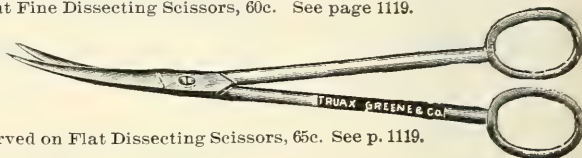


Fig. 2749. Fine Curved on Flat Dissecting Scissors, 65c. See p. 1119.

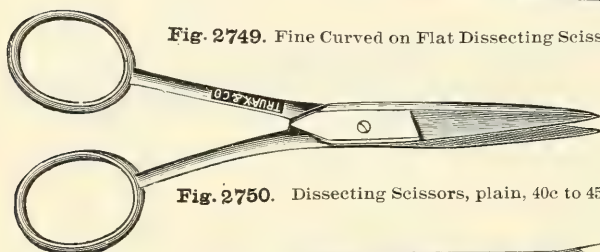


Fig. 2750. Dissecting Scissors, plain, 40c to 45c. See p. 1119

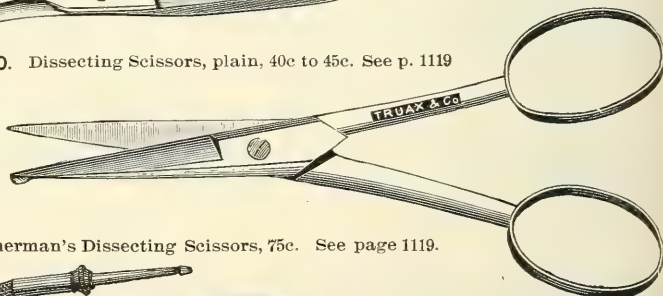


Fig. 2753. Sherman's Dissecting Scissors, 75c. See page 1119.

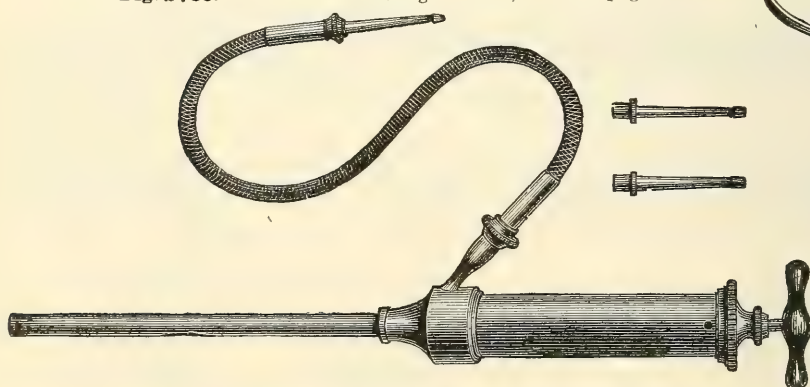


Fig. 2754. Embalming Pump. \$17.00. See page 1119.

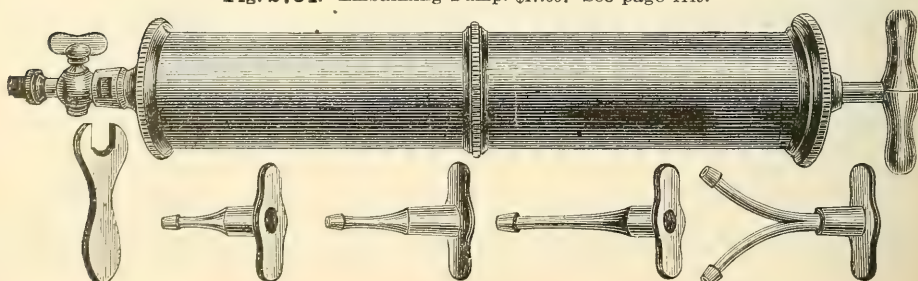


Fig. 2755. Anatomical Syringe, comprising double injection pipe, 4 single pipes (one more than shown in cut), stop-cock and wrench, in neat case, \$21.00. See page 1119.



BULLET INSTRUMENTS.

EXTRACTORS, Leonard's.....	\$7 50
Moses'	2 60
FORCEPS, American, Fig. 2759 ...	1 50
Flexible, Fig. 2761.....	3 75
Gross', Fig. 2758.....	1 75
Hamilton's.....	1 75
U. S. A., Fig. 2757.....	1 50
PROBES, Elastic, porcelain head,	
Fig. 2768	75
Fluhrer's, aluminum.....	1 50
Gerdner's, telephonic.....	12 00
Lead.....	35

PROBES, Nelaton's, porcelain head	\$0 45
Sayre's, vertebrated, silver .	6 00
Silver. See page 1129.	
Truax' jointed; director,	
probe and spiral elastic	
probe, with Nelaton's porce-	
lain head, 3 pieces to screw	
together, Fig. 2987.....	1 00
SCREW	1 50
SCOOP	1 30
SHOT EXTRACTING INSTRU-	
MENT, Jones', Fig. 2756....	3 00



Fig. 2756. Jones' Shot and Bullet Extractor, \$3.00.



Fig. 2758. Gross' Bullet Forceps, \$1.75.



Fig. 2759. American Bullet Forceps, \$1.50.



Fig. 2757. U. S. A. Bullet Forceps, \$1.50.

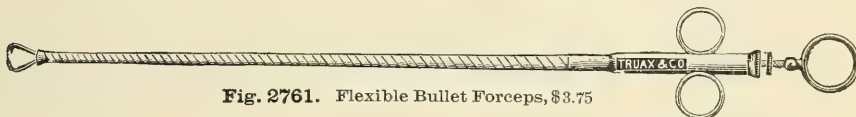


Fig. 2761. Flexible Bullet Forceps, \$3.75

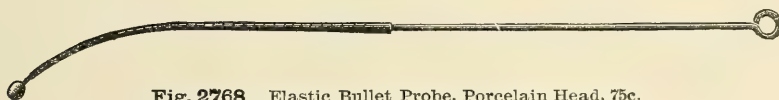


Fig. 2768. Elastic Bullet Probe, Porcelain Head, 75c.



POCKET CASE INSTRUMENTS.

BISTOURIES, see Knives, page 1128.

CASES, empty, alligator, two fold, extra fine.....	\$ 3 00
Empty, morocco, one fold, best.....	1 50
" " two fold, common.....	1 25
" " " best.....	1 50
" " three fold, common.....	1 75
" " " best.....	2 25
" " four fold.....	2 75
" russia, one fold.....	1 75
" " two fold.....	2 25
" " three fold.....	2 50
" sealskin, genuine, one fold.....	2 50
" " two fold.....	3 00
" " three fold.....	3 75
" Truax, Greene & Co's Petite.....	1 50
" " " one fold.....	1 50
" " " compact.....	1 75
" " " modified.....	2 00
" " " combined.....	2 50
Covers, chamois, for one fold.....	40
" " " two fold.....	50
" " " three fold.....	60
CATHETERS, Female, plated, Fig. 2931.....	35
Female, silver, Fig. 2931.....	75
Combined male and female, silver, Fig. 2919.....	1 75
" " " plated, Fig. 2919.....	85
" " " jointed end, Fig. 2921.....	3 00
" " " and children's, silver.....	2 75
" " " " " plated.....	1 75
" Parker's, with caustic holder, silver, Fig. 2920.....	3 00
" " " " " plated, Fig. 2920.....	1 50
" Truax', with caustic holder, vaccinating needle and explor- ing trocar, plated.....	2 25
CAUSTIC HOLDERS, aluminum, small, Fig. 2927.....	75
Aluminum, large, Fig. 2927.....	1 00
Hard rubber, small, Fig. 2924.....	35
" medium.....	45
" with silver jaws, Fig. 2934.....	75
Silver, short, Fig. 2905.....	1 10
" medium.....	1 35
" long.....	1 75
COMBS, vaccinating, and lance, Fig. 2795.....	75
Vaccinating, common, Fig. 2797.....	20



POCKET CASE INSTRUMENTS.

DIRECTORS, and Aneurism Needle, Fig. 2892, aseptible	\$ 0 40
and Ear Spoon, Fig. 2906, aseptible	40
and Tongue Tie, Fig. 2893, aseptible	40
" " probe pointed, Fig. 2888	75
" " lance pointed, Fig. 2889	90
EAR HOOK AND FENESTRATED LENS SCOOP, Fig. 2903, aseptible	75
EAR SPOON AND HOOK, Gross', Fig. 2896, aseptible	50
Ear Spoon and Dix' Spud, Truax', Fig. 2900, aseptible	75

This is a valuable combination, as it enables the purchaser to obtain a spud that can be carried in a pocket case.

FORCEPS. See also page 1057.

Artery, plain, spring, $3\frac{3}{4}$ in., Fig. 2810	45
" " " $4\frac{1}{2}$ in., "	50
" " " 5 in.	65
" " " separable blades, $3\frac{3}{4}$ in., Fig. 2809, aseptible....	75
" " " " " $4\frac{1}{2}$ in.	80
" " " " " 5 in.	95
" " fine points, $4\frac{1}{2}$ in., Fig. 2815	60
" " mouse tooth, aseptible, Fig. 2818	75
" " spring, mouse tooth, separable blades, Fig. 2819,	
aseptible	1 00
" " Owen's mouse tooth, Fig. 2812	1 00
" slide catch, bulldog	1 25
" " " and needle holder, Fig. 2832	1 50
" " Fricke's, Fig. 2826	1 50
" " " with separable blades, Fig. 2823, Aseptible	1 75
" " Walcher's, aseptible, Fig. 2820	1 50
" snap-catch, Pean's, $3\frac{3}{4}$ inch, aseptible	1 00
" " " $4\frac{1}{2}$ " Fig. 2843, aseptible	1 00
" " Spencer Wells', Fig. 2850, aseptible	1 25
" " Tait's, Fig. 2851, aseptible	1 25
" spring catch, fenestrated, bull-dog, Fig. 2830	1 25
" " Macleans', Fig. 2822	1 25
Bone cutting, small, Fig. 2883, aseptible	2 00
Dressing and polypus, Fig. 2844, aseptible	90
" Ann Arbor, Fig. 2845, aseptible	1 00
Foreign Body, Lister's, Fig. 2842, aseptible	1 00



POCKET CASE INSTRUMENTS.

FORCEPS, Needle holding, Abbe's aseptic, Fig. 2846.....	\$2 00
“ Parker's, Fig. 1272.....	1 50
“ Prout's, aseptic, Fig. 2835.....	2 60
“ Sands', Fig. 2836.....	3 00
“ Whitney's, Fig. 2833.....	3 25
“ Truax', aseptic, Fig. 2831.....	2 50

This is a convenient needle-holder, well adapted for general use. It can be carried in a pocket case, and is of sufficient strength to firmly grasp a needle. The catch is of a new pattern, and will not easily get out of order.

And scissors, combined, aseptic, Fig. 2887.....	1 50
Splinter, Little's, Fig. 2828.....	65
Splinter, Fig. 2834.....	50

This forcep will be found useful in removing foreign bodies from the ear and nose, as well as splinters of wood or steel from the flesh; it can also be used in removing broken needles, etc.

KNIVES, pocket case.

Aneurism needle.
Bistoury, curve, probe point.
Bistoury, curve, sharp point.
Bistoury, straight, sharp point.
Exploring needle.
Finger knife.
Gum lance.
Hernia knife.
Needle, suturing.
Symes' knife.
Scalpel.
Scoop.
Tenaculum.
Tenatome.

Single, hard rubber handles, Fig. 2999.....	50
Single, shell handles, Fig. 2985.....	75
“ “ slide catch, Fig. 2984...	1 00
“ “ spring catch.....	1 10
“ “ solid metal handle, aseptic, Fig. 2940.....	60

Double knives can be furnished of any combination; those sent out in pocket cases, unless otherwise specified, are sharp and probe point bistouries, straight bistoury and tenaculum, scalpel and tenatome. They are all shown on page 1159.

Double, slide catch, any combination,	1 50
Same, spring catch.....	1 75
“ without catch.....	1 00

KNIVES, Comstock's patent, catch, see page 1143,

Double, slide catch, any combination.....	1 50
---	------

The following combinations are carried in stock in slide catch, and customers in ordering, will save time by selecting from this list.

Bistoury, curved, probe point, and bistoury, curved, sharp point, Fig. 2991	
“ “ “ “ straight.	
“ “ “ “ gum lance.	
“ “ “ “ scalpel, Fig. 2988.	
“ “ “ “ Symes' knife.	
“ “ “ “ tenaculum.	
“ “ “ “ tenatome, Fig. 2993.	



POCKET CASE INSTRUMENTS

KNIVES, combinations in slide catch, continued.

Bistoury, curved, sharp point, and bistoury straight.

“ “ “ gum lance.
 “ “ “ scalpel.
 “ “ “ tenaculum
 “ “ “ tenatome, Fig. 2989.

“ straight and gum lance.

“ “ “ scalpel.

“ straight and Symes' knife.

“ “ “ tenaculum, Fig. 2990.

“ “ “ tenatome.

Gum Lance and scalpel.

“ Symes' knife.

“ tenaculum, Fig. 2994.

“ tenatome.

Scalpel, and Symes' knife.

“ “ tenaculum.

“ “ tenatome, Fig. 2992.

Symes' knife and tenaculum.

“ “ “ tenatome.

Tenaculum and tenatome.

KNIVES, four blade, bistoury, curved, probe point; bistoury, curved, sharp point; bistoury, straight and scalpel, Fig. 2997.....\$ 3 50
 Maclean's, Fig. 2981..... 1 75
 “ in leather case..... 2 40

LANCETS, abscess, Fig. 2980..... 50
 Thumb, best, Fig. 2979..... 50
 Vaccinating, with steel comb, Fig. 2795..... 75
 “ spear point..... 60

LANCET CASES, leather, one hole..... 25
 Leather, two holes..... 50

NEEDLES, aneurism and director, aseptic, Fig. 2892..... 45
 Aspirating and trocar, Fig. 2929..... 85
 Exploring, ivory handle, Fig. 2899..... 35
 “ metal handle, Fig. 2899..... 50
 “ one piece, metal, Fig. 2951..... 75
 Reverdin's, folding handle, Fig. 2960..... 3 00
 Seton, Fig. 2983..... 75
 Surgeons. See page 802.

NEEDLE CARRIERS. Prices same as knives, see page 1128.

NEEDLE HOLDERS. See forceps, page 1128.

PORTE MECHE, Fig. 2902..... 35
 PROBANG, Oesophageal, Truax', spiral, Fig. 2917..... 3 00
 PROBES, silver, 4 to 5 inch, Fig. 2895..... pair 50



POCKET CASE INSTRUMENTS.

PROBES, plated.....	pair	\$0 35
Jointed, 'Truax', complete, Fig. 2987.....	set	1 00

This set of Truax' probes is a valuable addition to a pocket case, as they can be used for several purposes. Besides serving as a pair of ordinary probes, they can be screwed together, thus forming a long probe for either surgical or gynecological use. One part is grooved for a director, while one is an elastic spiral probe, having a porcelain head, so that it answers for a bullet probe or for exploring a sinuous cavity.

SAWS, finger, folding, slide catch, Fig. 2962	1 50
" Little's, aseptic, Fig. 2953.....	75
" Lewis', folding, Fig. 2841	1 50

This is not only the best metacarpal saw in the market, but it is large enough for the great majority of amputations, and it can be folded up and carried in the pocket case.

SCALPELS. See Knives, page 1129.

SCISSORS, angular, $3\frac{3}{4}$ -inch, aseptic	70
Angular, $4\frac{1}{2}$ -inch, aseptic, Fig. 2872	80
Curved on the flat, $3\frac{3}{4}$ -inch, aseptic.....	70
" " $4\frac{1}{2}$ " " Fig. 2876.....	80
Dugas', one probe point, aseptic, Fig. 2877	1 00
Straight', and forceps combined, aseptic, Fig. 2881.....	1 50
" one point sharp, $3\frac{3}{4}$ -inch, aseptic.....	60
" " " $4\frac{1}{2}$ " " Fig. 2874	70
" Grey's, $3\frac{3}{4}$ -inch, aseptic.....	65
" " $4\frac{1}{2}$ " Fig. 2879.....	75

Grey's scissors are fully as convenient to use as those having closed rings, and as they greatly assist in economizing space, they are much to be preferred for pocket case use.

Straight, dissecting pattern, Fig. 2722.....	45
SCOOP AND ELEVATOR, aseptic, Fig. 2897	1 00
And periosteotome, aseptic, Fig. 2901	1 00
SILK. See page 810.	
SPATULAS and Tongue Tie, aseptic, Fig. 2838	45
And ear scoop, steel, aseptic.....	1 00
And elevator, Dugas', steel, aseptic, Fig. 2839.....	75
Folding, see page 382.....	75
SPOON AND TONGUE TIE, aseptic, Fig. 2837.....	1 00
TENACULUM. See Knives, page 1129.	
TENATOME. See Knives, page 1129.	
TROCARS, exploring, Fig. 2894.....	90
Pocket case, metal handle, Fig. 2904.....	1 00
Truax' set of three, Fig. 2986	2 75

This set of trocars combines an exploring trocar, with two larger sizes, each supplied with a canula, and all fitting into one handle.

WIRE, silver, per coil. See page 809.



POCKET INSTRUMENT CASES.

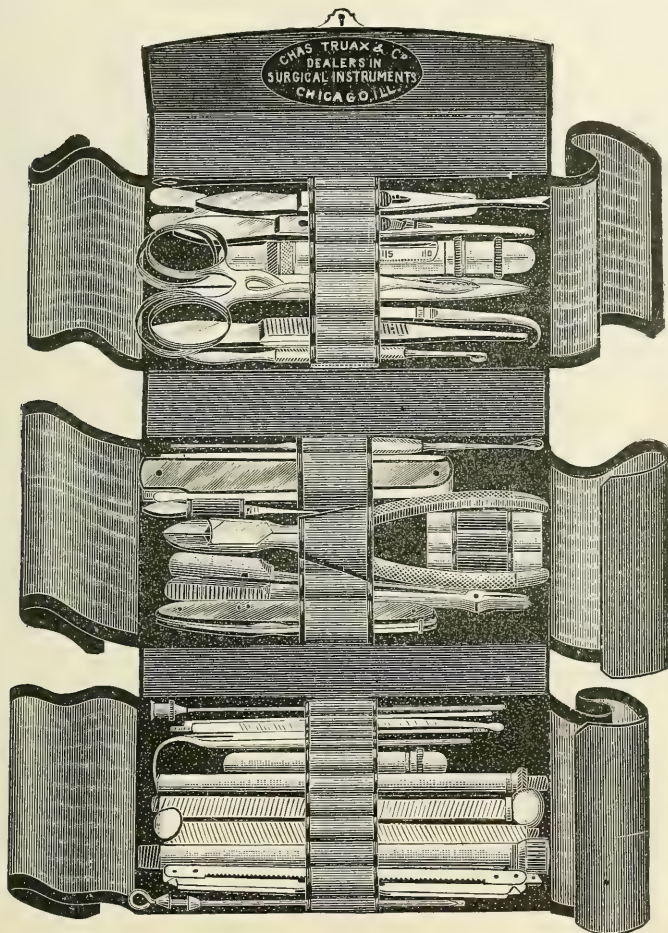


Fig. 2769. TRUAX, GREENE & CO'S POCKET OPERATING CASE.

Price.....\$37 50

Most designers and inventors of pocket cases have overlooked what seems to us to be not only desirable but necessary features in a case for every-day use, for experience has convinced us that a pocket case should not only meet the wants of the practitioner as an ordinary dressing case, but that it should contain such other instruments as he finds it necessary to carry with him, together with some that are suitable for larger operations, and necessary in cases of accident, when prompt action is required.

In placing this case before the profession, we do not presume to offer much that is original, and have only aimed to combine with a few designs of our own the desirable features of such other cases



POCKET INSTRUMENT CASES.

as are already in the market. The case is made from the best morocco, is of a new pattern, provided with a durable cover and contains :

- | | |
|--|---|
| <p>1 Maclean's knife, Fig. 2981.
 1 Four-blade knife, spring catch, similar to Fig. 2997, but containing scalpel, tenotomy, Syme's knife and curved blunt bistoury.
 1 Small bone forcep, Fig. 2883.
 1 Truax' needle holder, Fig. 2831.
 1 Lewis' saw, Fig. 2841.
 1 Straight scissors, Grey's, Fig. 2879.
 1 Truax' artery forcep, Fig. 2087.
 1 Plain artery forcep, Fig. 2810
 1 Pean's artery forcep, Fig. 2843.
 1 Piffard's grappling forcep, Fig. 1985 A.
 1 Splinter forcep, Fig. 2834.
 1 Hypodermic syringe, No. 36. See page 959.
 2 Bottles hypodermic tablets.</p> | <p>1 Thermometer, No. 4, in metal case. See page 963.
 1 Jointed male and female catheter, Fig. 2921.
 1 Aluminum caustic holder, Fig. 2927.
 1 Set Truax' probes, Fig. 2987.
 1 Truax' jointed œsophageal probang, Fig. 2917.
 1 Whalebone probe and applicator.
 1 Aneurism needle and director, Fig. 2892.
 1 Tenaculum, all steel, Fig. 2948.
 1 Truax' ear spoon and spud, Fig. 2900.
 1 Aspiring needle, Fig. 2929.
 1 Ingal's silver canula for cocaine, Fig. 1869.
 1 Bone scoop and elevator, Fig. 2897.
 1 Tongue tie and spatula, Fig. 2838.
 2 Needles (assorted sizes), silk, silver wire, pins and court plaster.</p> |
|--|---|

The Maclean's Knife, Fig. 2981, is not only suitable for opening tumors and other minor surgery, but it can be successfully used in amputations where even a large flap is necessary, and with it (and the folding saw any but a thigh amputation may be safely made. The four-bladed instrument (particularly when accompanied by the Maclean's knife) combines the four most useful blades needed in a pocket case. We dispense with the gum lance, for either the tenotomy or Syme's knife can be used equally as well. The latter blade being sharp on both edges, and having a thin point, is preferable even to a thumb lance for opening abscesses, etc., as it can be introduced with less pain.

The Small Bone Forceps, Fig. 2883, are a modification of Liston's pattern, and will be found useful in operating on the small bones of the hand and toes, and for cutting pins, wire, etc.

The Truax Needle Holder, Fig. 2831, is not only a convenient one for general use, but it is strong enough to firmly hold a needle. It is provided with a new catch, and being furnished with our patent jaw (see page 797) it can be adjusted to any size needle.

The Straight Scissors, Fig. 2879, have one blunt point for removing dressings without injury to the skin, and one sharp point for general work.

The Truax Artery Forcep, Fig. 2087, is a modification of Thomas' hæmostatic forcep, and while it possesses all the advantages of the latter instrument, it can be used as a tortion, dressing or dissecting forcep. It has an adjustable slide to accommodate itself to different thicknesses of tissue.

The Pean's Artery Forcep, Fig. 2843, with a ratchet catch and aseptic lock, can be used as a dressing, polypus and artery forcep.

The Piffard's Grapppling Forcep, Fig. 1985 A, will be found serviceable in removing bullets, cysts foreign bodies.

The Splinter Forceps, Fig. 2834, may be used for removing splinters of wood or iron from the flesh, broken needles, and foreign bodies from the ear and nose.

The Hypodermic Syringe, No. 36 (see page 959), is well guarded, double fenestrated and is provided with two needles nested in the piston rod. One is a large reinforced needle, the other a fine one for general use. The syringe is graduated on both barrel and piston, the latter being supplied with screw stop. The cap covering the lower end of the syringe can be taken off to permit the introduction of hypodermic tablets into the barrel.

The Thermometer is one of our No. 4 (see page 963), placed in a metal case having cotton packed in each end to avoid danger of breaking.

The Jointed Male and Female Catheter, Fig. 2921, is arranged so that the lower or male portion can be slipped inside the upper, economizing space and protecting the catheter from damage by pressure of other instruments.

The Aluminum Caustic Holder, Fig. 2927, is non-corrodible by nitrate of silver.

The set of Truax' Probes, Fig. 2987, are capable of being used for many purposes. Besides serving as a pair of ordinary probes, they can be screwed together, thus forming a long probe for either surgical or gynecological use; one part is grooved for a director, and one is an elastic spiral probe, having a porcelain head, so that it answers as a bullet probe, or for exploring a sinuous cavity.

The Œsophageal Probang, Fig. 2917, while seldom used, is difficult to improvise anything to take its place. It is made by removing both ends of the thermometer case and screwing the case to the outside portion of the catheter. To this tube, now ten inches long, may be attached either of the flexible ends of the probang.

The Truax Ear Spoon and Spud, Fig. 2900, will be found a good combination, as a spud is often wanted for removing foreign bodies from the eye.

The Aspiring Needle, Fig. 2929, can be used for exploring deep tumors, tapping hydrocele, etc., It is supplied with a thread so that it can be attached to the hypodermic syringe if desired. A shoulder is also provided to which a rubber tube may be attached.

Ingal's Canula, Fig. 1869 (see page 990), may be attached to the hypodermic syringe, and as it is made of pure silver, it can be shaped so as to inject cocaine and other liquids into sinuous cavities gunshot wounds, or the various openings of the body.

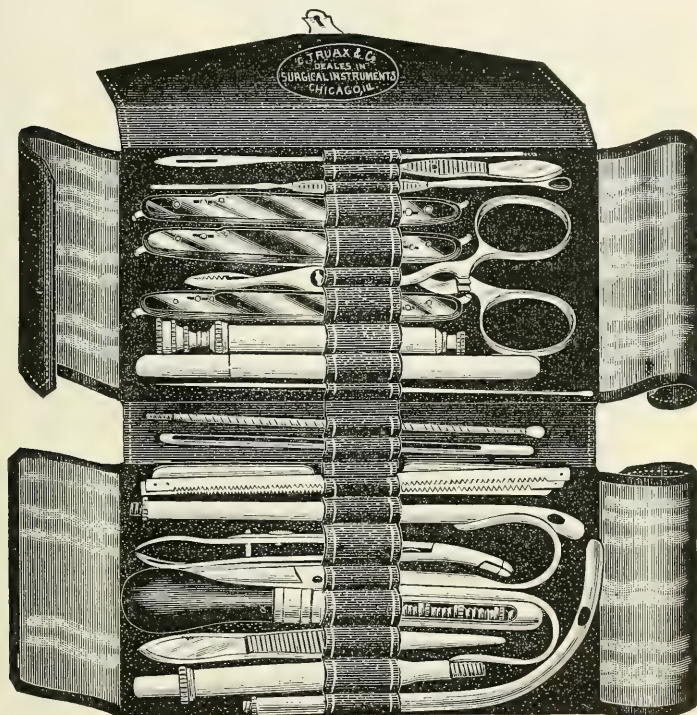
The Small Bone Scoop, Fig. 2897, has a sharp edge on one side and a dull one on the other, while the elevator can be used for raising a fractured cranium and for other work.

The combined Tongue Tie and Spatula, Fig. 2838, can be used as a tongue depressor or as a dissector.

The case containing these instruments, Fig. 2769, is made of the best material. The flaps are provided with stays, and the whole is made in the best workman-like manner.

HAS TRUAX & CO GREENE & CO

POCKET INSTRUMENT CASES.



No. 2771. TRUAX, GREENE & CO'S COMBINED POCKET CASE.

CONTAINING :

- 2 Truax' combined catheter, male and female, with caustic holder, vaccinating lance, and exploring needle.
- 1 Self-registering, indestructible index fever thermometer, No. 4, in metal case, Page 963.
- 1 Dressing and polypus forcep, with catch, Fig. 2849.
- 1 Silver barrel hypodermic syringe, No. 38. See page 959.
- 1 Set nested trocars and canulas, Fig. 2986.
- 1 Plain artery forcep, Fig. 2810.
- 1 Truax' ear spoon and spud, Fig. 2900.
- 1 Scalpel and tenatome, Fig. 2992.
- 1 Sharp and probe point bistoury, Fig. 2991.
- 1 Tenaculum and straight bistoury, Fig. 2990.
- 1 Pair Grey's open ring scissors, Fig. 2879.
- 1 Splinter forcep, Fig. 2834.
- 1 Needle holder and artery forcep, combined, Fig. 2832.
- 1 Lewis' saw, two blades, Fig. 2841.
- 1 Sharp point probe, silver, Fig. 2895.
- 1 Set Truax' probes, to screw together, consisting of flexible bullet probe, porcelain head, 1 eye probe and 1 grooved director, Fig. 2987.
- 6 Needles and silk, in a two fold morocco case with buckskin cover.....\$20 00

We will furnish these cases either complete or in part, to suit the wants of the purchaser.



POCKET INSTRUMENT CASES.

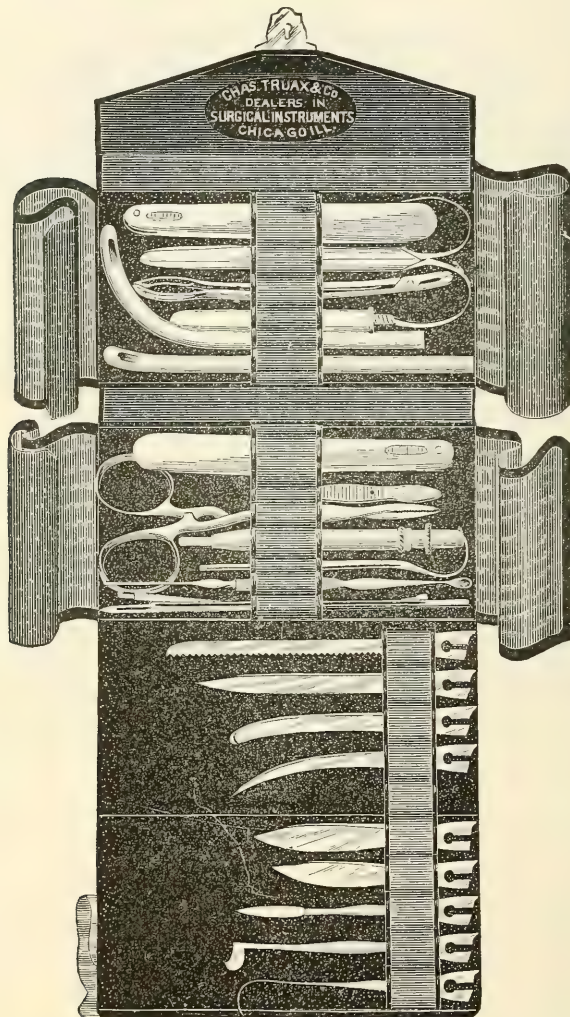


Fig. 2772. TRUAX, GREENE & CO'S PATENT CATCH POCKET CASE.
 Containing—2 handles with patent slide catches, and 9 removable blades, as follows: metacarpal saw, straight finger knife, curved bistoury with probe point; curved bistoury with sharp point, large scalpel, small scalpel, tenatome, gum lance and tenaculum; Grey's straight scissors; artery forcep and needle holder; silver caustic holder; splinter forcep; Pean's artery forceps; aneurism needle and director; Truax' ear scoop and Dix' spud; set Truax' probes; plain artery forceps; Parker's catheter; needles and silk. All in a neat two-fold morocco case, with extra flaps for blades..... \$20 00

TRUAX, GREENE & CO'S SMALL PATENT CATCH POCKET CASE.
 Containing—1 scalpel; 1 curved probe point bistoury; 1 curved sharp point bistoury; 1 tenaculum; 1 aseptic handle, to fit; 1 pair straight scissors; 1 slide catch artery forcep; 1 aneurism needle and director; 1 pair silver probes. All in neat morocco case, with needles and silk .. 9 50

CHAS. TRUAX & CO. GREENE & CO.

POCKET INSTRUMENT CASES.

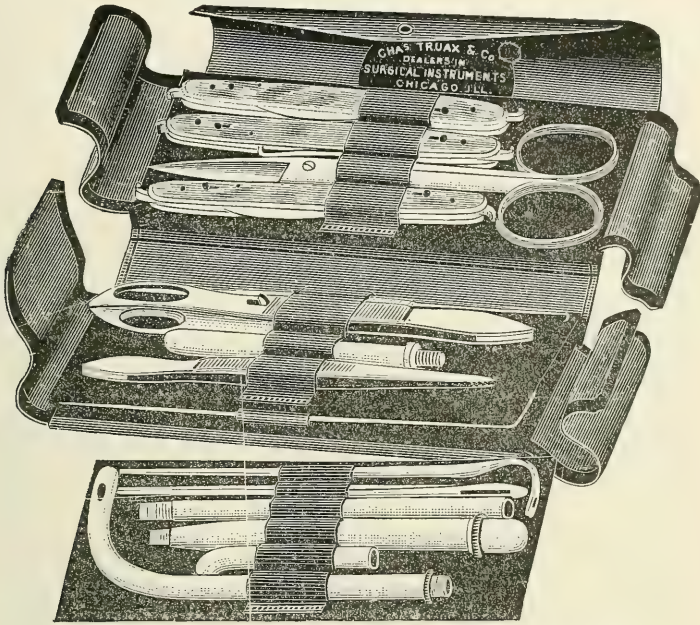


Fig. 2773. PECK'S POCKET CASE—Containing:

- 1 Pair scissors, Fig. 2870.
- 1 Fenestrated artery forcep, Fig. 2830.
- 1 Plain artery forcep, Fig. 2810.
- 1 Gross' ear spoon and hook, Fig. 2896.
- 1 Tenaculum and straight bistoury, Fig. 2760.

2 Curved bistouries, Fig. 2762.

- 1 Scalpel and Tenatome, Fig. 2763
- 1 Exploring needle, Fig. 2899.
- 1 Parker's catheter, Fig. 2920.
- 2 Silver probes, Fig. 2895.
- 1 Director and aneurism needle, Fig. 2892.

Needles, iron wire and silk, in red morocco case.....\$12 50

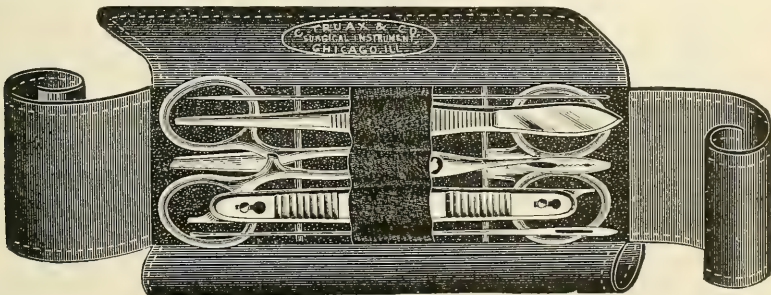


Fig. 2774. E. F. CLAPP'S ASEPTIBLE VEST POCKET CASE—Containing:

- 1 Double knife, aseptible handle, slide catch, scalpel and curved sharp point bistoury.
- 1 Plain artery forcep, aseptible.

- 1 Pean's artery forcep.
- 1 Scissors, aseptible lock.
- 1 Pair probes.
- Needles and silk.

All in a leather-lined case, 1¾ inches wide.....\$5 50



POCKET INSTRUMENT CASES.

- TRUAX, GREENE & CO'S PETITE CASE, containing: 1 four-blade knife; scalpel, curved sharp point bistoury, curved probe point bistoury and tenaculum; 1 artery and needle forcep; 1 plain artery forcep; 1 scissors; 1 probe; 1 director and aneurism needle; 6 needles and silk. In a very small one-fold case \$ 9 00
- ANDREWS' POCKET CASE, containing: Tenaculum; grooved exploring needle; probe point bistoury; sharp point bistoury; scalpel; metacarpal saw; flat probe; ear spoon and director; Andrews' artery forcep, slide catch; mouse-tooth tortion forcep; Grey's scissors; Pean's artery forcep; male and female catheter; all the knives with solid handles; needles, silk, and silver wire. In a compact metal case..... 19 00
- TRUAX, GREENE & CO'S FOUR-FOLD CASE. Knives all have single blades. 1 compound (male and female) catheter; 1 tenaculum, 1 hard rubber caustic case; 2 silver probes; one exploring needle; one director and aneurism needle; 1 probe point bistoury; 1 pair dressing polypus forceps; 1 scalpel; one sharp point bistoury; 1 pair straight scissors; 1 pair curved scissors; 1 thumb lancet; 1 spatula and tongue tie; 1 pair dissecting forceps; 1 straight finger bistoury; 1 Seton needle; 6 needles; ligature silk. In a good morocco case..... 11 50
- TRUAX, GREENE & CO'S THREE-FOLD CASE. Knives all have single blades, with shell handles. 1 scalpel; 1 probe point bistoury; 1 tenaculum; 1 pair straight scissors; 1 pair artery forceps; 1 pair dressing forceps; 1 hard rubber and silver caustic case; 1 spatula; 1 sharp pointed bistoury; 1 gum lancet; 1 compound (male and female) catheter; 1 director; 1 pair silver probes; 6 needles; ligature silk. In a good morocco case..... 9 00
- TRUAX, GREENE & CO'S STUDENTS' CASE, containing: 3 double knives, shell handles; scalpel and tenatome; curved sharp point and probe point bistoury; straight bistoury and tenaculum; scissors; plain artery forcep; French artery forcep; male and female catheter; director and aneurism needle; exploring needle; spatula and tongue tie; pair probes; needles and silk. In a neat morocco case..... 9 00
- TRUAX, GREENE & CO'S PRAIRIE CASE: 1 scalpel; 1 sharp bistoury, curved; 1 tenaculum; 1 gum lancet; 1 pair straight scissors; 1 pair dressing forceps; 1 spatula; 1 pair plain artery forceps; 1 female catheter; 1 pair probes; 1 director; $\frac{1}{2}$ dozen needles and silk. In a neat two-fold morocco case; single instruments, with plain rubber handles 7 00
- TRUAX, GREENE & CO'S No. 1: Two-fold morocco case, single bladed instruments, with hard rubber handles, containing: scalpel; probe pointed bistoury; sharp pointed bistoury; tenaculum; straight scissors; artery forceps; compound (male and female) catheter; director and aneurism needle; pair of probes; 6 needles and silk..... 5 50
- TRUAX, GREENE & CO'S No. 2: 1 scalpel; 1 sharp bistoury, curved; 1 pair straight scissors; 1 pair plain artery forceps; 1 spatula; 1 female catheter; 1 director and tongue tie; 1 pair probes; $\frac{1}{2}$ dozen needles and silk. In a neat two-fold morocco case; single instruments, with plain rubber handles..... 5 00

Pocket instrument cases of all patterns made to order.

HAS TRUAX & CO. GREENE & CO.

POCKET INSTRUMENT CASES.

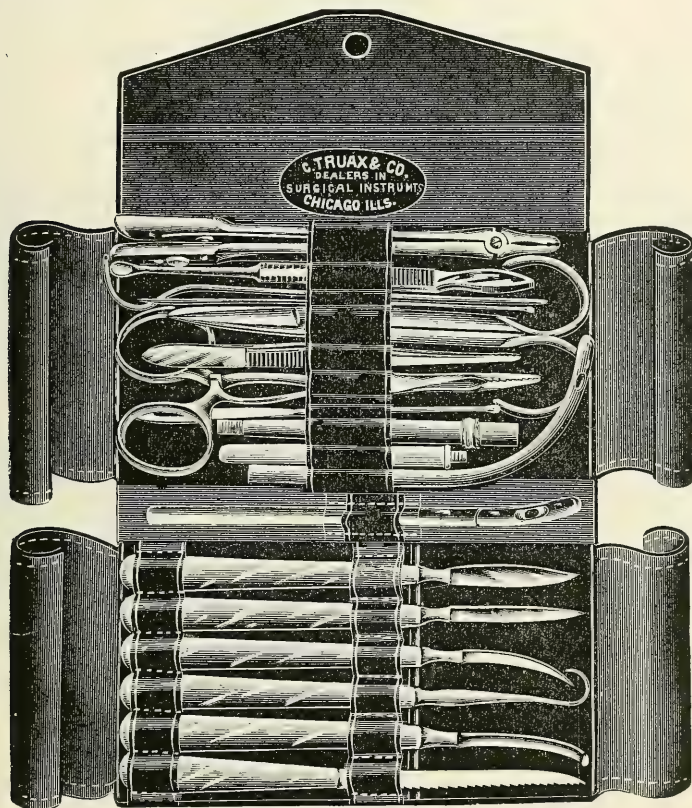


Fig. 2775.

TRUAX, GREENE & CO'S ASEPTIC POCKET CASE, No. 10.

CONTAINING :

- | | |
|---|---------------------------------|
| 1 Straight bistoury. | 1 Pean's artery forcep. |
| 1 Scalpel. | 1 Plain artery forcep. |
| 1 Curved sharp point bistoury. | 1 Scissors, Collins' lock. |
| 1 Curved probe point bistoury. | 1 Director and aneurism needle. |
| 1 Tenaculum. | 1 Truax' ear spoon and spud. |
| 1 Metacarpal saw. | 1 Splinter forcep. |
| 1 Parker's catheter and caustic holder. | 1 Truax' needle holder. |
| 1 Exploring needle. | 12 Needles, assorted. |
| 1 Pair silver probes. | 1 Card silk. |

All in a leather-lined aseptic case, as shown in Fig. 2775\$15 00



POCKET INSTRUMENT CASES.

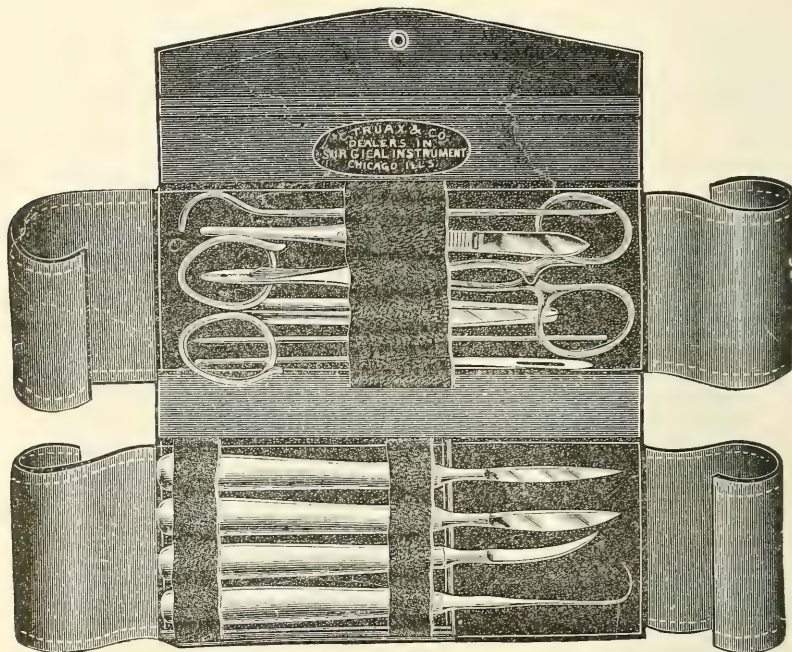


Fig. 2779. TRUAX, GREENE & CO'S POCKET CASE, No. 14.

CONTAINING :

- 1 Scalpel.
- 1 Straight bistoury.
- 1 Curved sharp bistoury.
- 1 Tenaculum.
- 1 Pair silver probes.
- 1 Scissors, aseptic lock.

- 1 Pean's artery forcep.
- 1 Plain artery forcep.
- 1 Director and aneurism needle.
- 12 Needles.
- 1 Card silk.

All in a leather-lined case.....\$ 7 00

TRUAX, GREENE & CO'S POCKET CASE, No. 16.

(See Fig. 2781, on next page.)

CONTAINING :

- 2 Scalpels.
- 1 Straight sharp point bistoury.
- 1 Curved sharp point bistoury.
- 1 Curved blunt point bistoury.
- 1 Tenatome.
- 1 Tenaculum.
- 1 Hernia knife.

- 1 Metacarpal saw.
- 1 Slide catch artery forcep.
- 1 Pean's artery forcep.
- 1 Scissors.
- 1 Directory and aneurism needle.
- 1 Pair silver probes.
- Needles and silk.

All contained in a leather case of good quality; knives held by metal clasps, each so hinged that the knife may be removed without danger of cutting the fingers.

Price.....\$13 50

HAS **TRUAX** *TRY* **GREENE** *& CO.*

POCKET INSTRUMENT CASES.

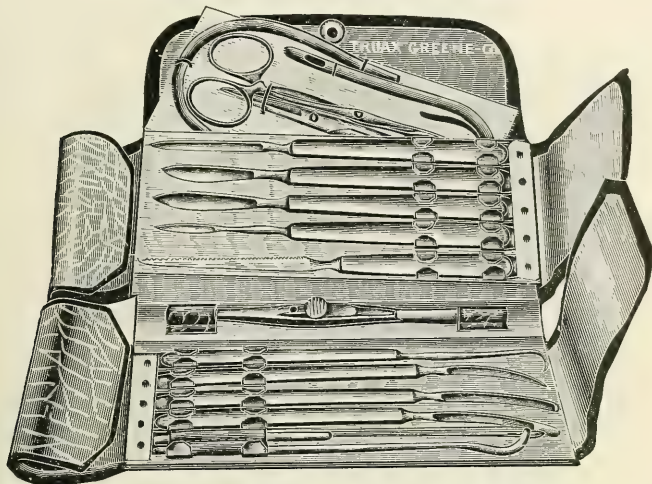


Fig. 2781. TRUAX, GREENE & CO'S POCKET CASE, No. 16.

(See description on previous page.)

Price\$13 50

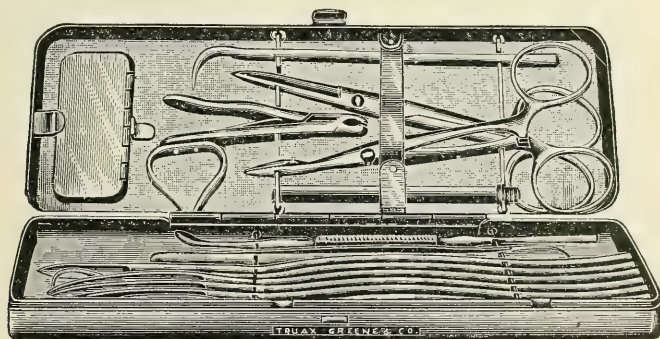


Fig. 2783. TRUAX, GREENE & CO'S ASEPTIBLE POCKET CASE, No. 7.

This case enables the purchaser to provide himself with full sized minor operating knives, the same as are used in our amputating cases. The knives are of one piece of steel with double concave handles. The case contains:

- | | |
|---------------------------------|---------------------------------|
| 1 Scalpel, | 1 Pean's artery forcep, |
| 1 Bistoury, straight. | 1 Scissors, |
| 1 Bistoury curved, blunt point, | 1 Silver caustic holder, |
| 1 Bistoury curved, sharp point, | 1 Truax' finger need'e holder, |
| 1 Tenaculum, | 1 Ear spoon and hook, |
| 1 Tenatome, | 1 Pair silver probes, |
| 1 Metacarpal saw, | 1 Director and aneurism needle, |
| 1 Plain artery forcep, | 1 Dozen needles and silk. |

All contained in a solid metal aseptible case, 7 inches long, $2\frac{1}{4}$ inches wide and $\frac{3}{4}$ in. thick.

Price\$18 00



POCKET INSTRUMENT CASES.

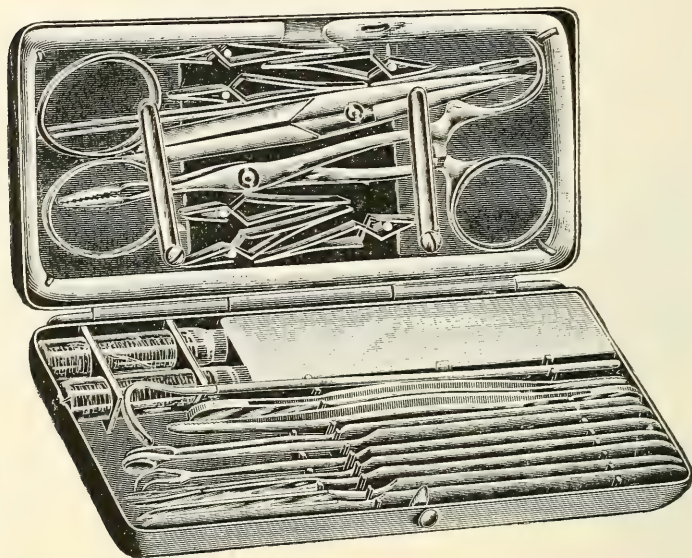


Fig. 2785. TRUAX, GREENE & CO'S ASEPTIBLE POCKET CASE, No. 3.

CONTAINING:

- | | |
|----------------------------------|---------------------------------|
| 1 Scalpel. | 1 Director and aneurism needle. |
| 1 Sharp point curved bistoury. | 1 Scissors. |
| 1 Probe point curved bistoury. | 1 Pean's artery forcep. |
| 1 Tenatome. | 4 Serresfins, aseptic. |
| 1 Straight bistoury. | 1 Silver caustic holder. |
| 1 Metacarpal saw. | 1 Soft rubber catheter. |
| 1 Universal scoop. | 1 Bottle silk in solution. |
| 1 Double retractor or tenaculum. | 1 Bottle catgut in solution. |
| 1 Plain artery forcep. | 12 Needles, assorted. |
| 2 Silver probes. | Antiseptic tablets. |

All contained in a metal case, 5 inches long, $2\frac{1}{4}$ inches wide and $\frac{3}{4}$ inch thick.....\$17 00

TRUAX, GREENE & CO'S ASEPTIBLE POCKET CASE No. 5.

(See Fig. 2787 on following page.)

CONTAINING:

- | | |
|---------------------------------|-------------------------|
| 1 Scalpel. | 1 Plain Artery Forcep. |
| 1 Straight bistoury. | 1 Pean's artery forcep. |
| 1 Curved bistoury, sharp point. | 1 Scissor. |
| 1 Curved bistoury, blunt point. | 1 Ear spoon and hook. |
| 1 Tenatome. | 1 Pair silver probes. |
| 1 Tenaculum. | |

All in a solid metal aseptic case, 5 inches long, $2\frac{1}{2}$ inches wide and $\frac{3}{4}$ inch thick.....\$11 00



POCKET INSTRUMENT CASES.

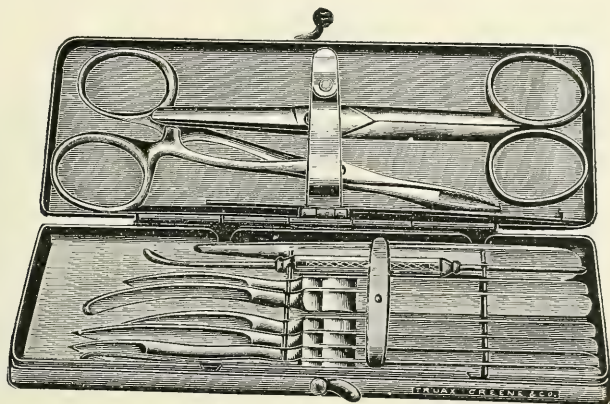


Fig. 2787. TRUAX, GREENE & CO'S ASEPTIBLE POCKET CASE, No. 5.

Price.....\$11 00

(For description see previous page.)

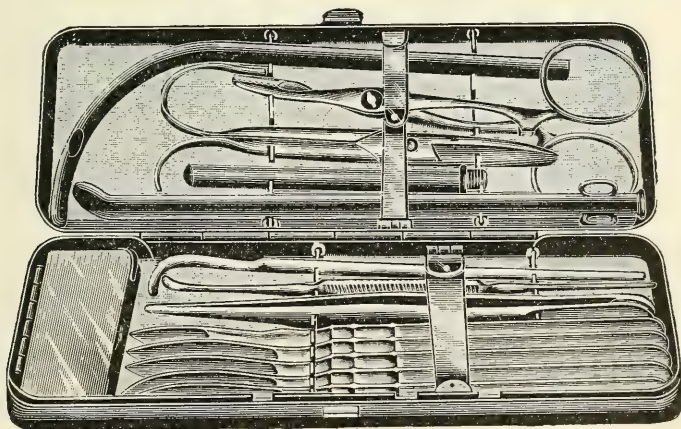


Fig. 2789. TRUAX, GREENE CO'S ASEPTIBLE POCKET CASE, No. 6.

CONTAINING:

- | | |
|---------------------------------|--------------------------------|
| 1 Scalpel. | 1 Director and aneurism needle |
| 1 Straight bistoury. | 1 Pean's artery forcep. |
| 1 Curved bistoury, blunt point. | 1 Scissors. |
| 1 Curved bistoury sharp point. | 1 Silver caustic holder. |
| 1 Tenatome. | 1 Male and female catheter. |
| 1 Tenaculum. | 1 Pair silver probes. |
| 1 Artery forceps. | 12 Needles and silk, |
| 1 Ear spoon and hook. | 1 Box for needles, etc. |

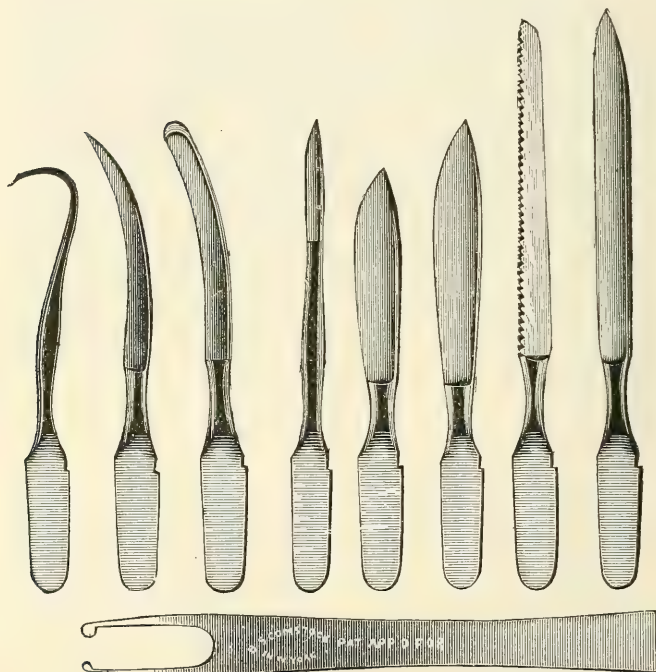
All contained in a solid metal aseptible case, $5\frac{1}{4}$ in. long, 2 in. wide and $\frac{3}{4}$ in. thick.

Price.....\$15 00



POCKET CASE INSTRUMENTS.

COMSTOCK'S PATENT KNIVES.



The above are illustrations (actual size) of a set of Instruments with a detachable metal handle. Many physicians wish a knife larger than the "Little's" knives. These detachable knives, while meeting this want as to size, are yet portable, by reason of the detachable feature, in a compact pocket case of the usual dimensions. This pattern presents the following advantages:

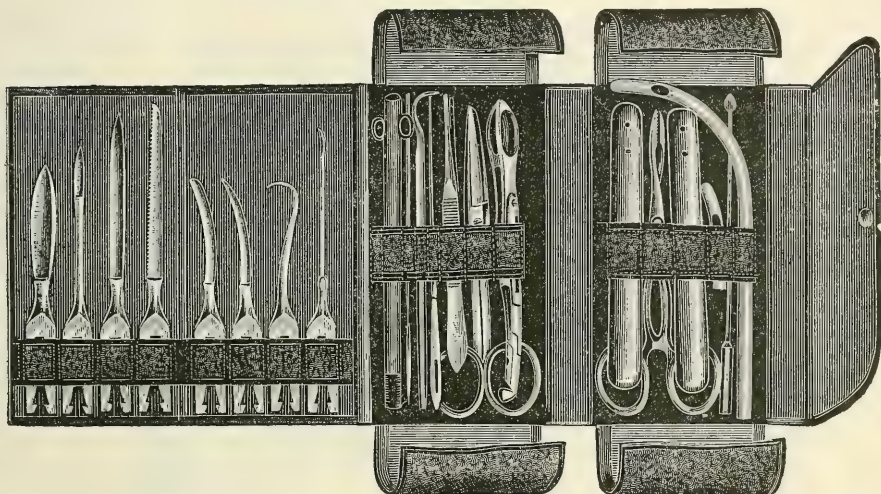
- 1st.—The handle is entirely of one piece metal, without any holes or internal springs or attachments whatever in which septic matter can possibly lodge.
- 2d.—It can be thrown into the antiseptic solution without damage and be wiped off dry as readily as any one of the blades.
- 3d.—The blades are held perfectly fast in the handle, but can be removed with ease when desirable.
- 4th.—Owing to its simplicity of construction there is nothing about the handle which can get out of order.
- 5th.—They are of the finest steel and we guarantee them indefinitely.

Price of complete set of above instruments with two detachable handles in

finest morocco case.....\$10 50



POCKET INSTRUMENT CASES.



The accompanying cut represents our new Antiseptible "Nonpareil" pocket case, which is made of the finest morocco, and contains the following instruments: 1. Two Hard Rubber Handles; 2. Large Scalpel; 3. Curved, Sharp Pointed Bistoury; 4. Curved, Probe Pointed Bistoury; 5. Metacarpal Saw; 6. Exploring Needle; 7. Finger Knife; 8. Tenaculum; 9. Tenatome; 10. Artery and Needle Forceps combined; 11. Pair of Straight Scissors; 12. Pair of Dressing Forceps; 13. Pair of Pean's Artery Forceps; 14. Grooved Director and Aneurism Needle; 15. Set of Small Silver Probes; 16. Nelaton's Bullet Probe; 17. Combined Catheter, Male and Female. The case has also a pocket to hold silk, needles, etc. The mechanism by means of which the blades are attached is shown in the following illustrations. Both blades and handles can be readily cleaned, as there are no exposed rivets, as in all other constructions.

Price of Case, with Hard Rubber or Hard Wood Handles.....\$17 00
 " " " Ivory or Nickel-Plated Metal Handles..... 17 25



The above cuts show the object of the invention, viz: To provide an improved means of detachable fitting to a handle different blades, or similar instruments, whereby one handle may answer for a number of different instruments.

Our antiseptible, self-adjusting blades and handles can be purchased without the case at the rate of 75c. per blade and 90c. per handle, in hard rubber or hard wood, \$1.10 in ivory or nickel-plated metal, \$1.50 in shell and \$1.70 in pearl.

Our handles have the simplest and most durable lock-mechanism of any detachable knife in existence. Our knives are all made of the best Sheffield steel and are all HAND-FORGED.

Made by B. S. Comstock Manufacturing Co., 126 William Street, New York

SUPPLIED TO PHYSICIANS BY CHAS. TRUAX, GREENE & CO.

HAS TRUAX GREENE & CO.

POCKET INSTRUMENT CASES.

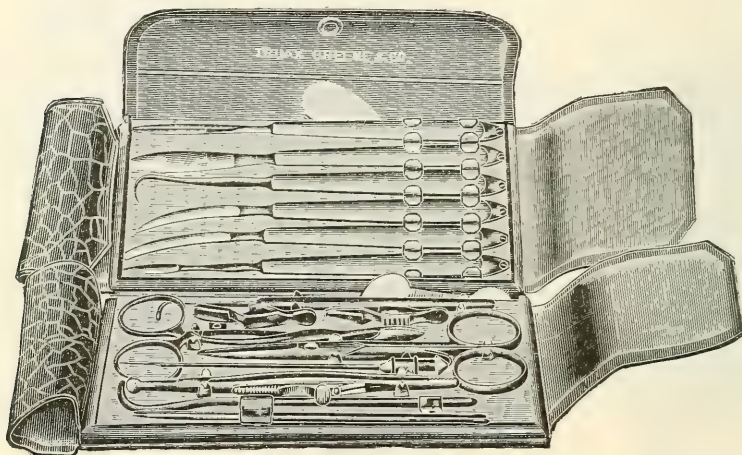


Fig. 2791. TRUAX, GREENE & CO'S POCKET CASE, No. 12.

CONTAINING:

- | | |
|----------------------------------|--|
| 1 Scalpel. | 1 Pean's artery forcep. |
| 1 Straight sharp point bistoury. | 1 Scissors. |
| 1 Curved sharp point bistoury. | 2 Steel serresfins. |
| 1 Curved probe point bistoury. | 1 Aspirating trocar or exploring needle. |
| 1 Tenatome. | 1 Fricke's artery slide catch forcep. |
| 1 Tenaculum. | 1 Aneurism needle and director. |
| 1 Suturing needle. | 1 Pair silver probes. |

Silk and Needles all contained in a leather covered case. The instruments held by metal clamps so arranged that they can be removed without danger of cutting the fingers.

Price.\$15 00

VACCINATING INSTRUMENTS.



Fig. 2795.



Fig. 2797.

VACCINATING INSTRUMENT, U. S. A.....	\$1 85
Vaccinating Comb, Fig. 2797.....	20
Combs, shell handle, 75c.; Lancet, spear point.....	60
Vaccinating Comb and Lancet, Fig. 2795.....	75
Scarifier, plain.....	25
Shield, Converse's.....	50
Virus, see Index.	



POCKET INSTRUMENT CASES.

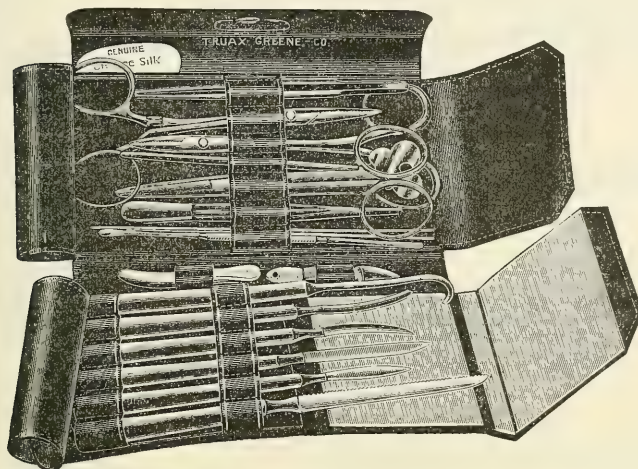


Fig. 2799. OCHSNER'S POCKET CASE.

CONTAINING:

- 1 Scalpel.
- 1 Straight, sharp point bistoury.
- 1 Curved, sharp point bistoury.
- 1 Curved, blunt point bistoury.
- 1 Tenaculum.
- 1 Metacarpal saw.
- 2 Jointed serresfins.
- 1 Straight scissors.
- 2 Spencer-Wells' artery forceps.
- 1 Plain dressing forcep, serrated.
- 1 Plain dressing forcep, mouse-tooth.
- 1 Director and tongue tie.
- 1 Pair silver probes.
- 1 Scoop and spud.
- 1 Card silk and needles, all in a neat leather case\$11 75



POCKET CASE INSTRUMENTS.

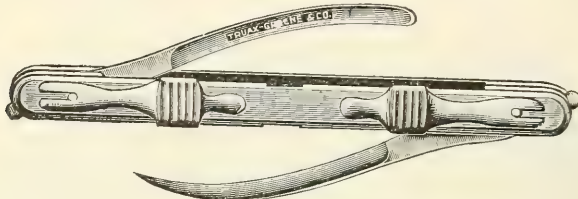


Fig. 2801. Truax, Greene & Co's Aseptible Pocket Case Knife, Curved Sharp Point and Curved Probe Point Bistoury, \$1.75.

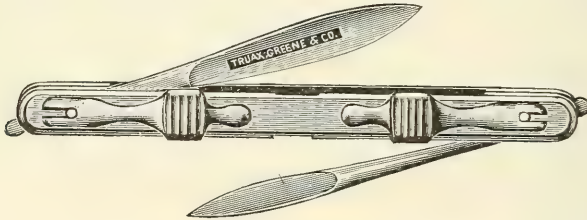


Fig. 2803. Truax, Greene & Co's Aseptible Pocket Case Knife, Scalpel and Tenatome, \$1.75.

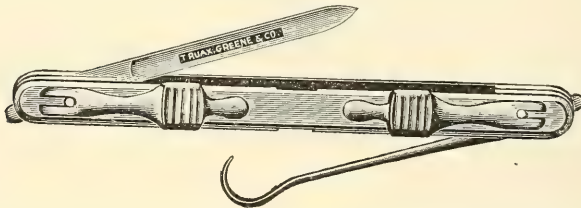


Fig. 2805 Truax, Greene & Co's Aseptible Pocket Case Knife, Straight Bistoury and Tenaculum. \$1.75.

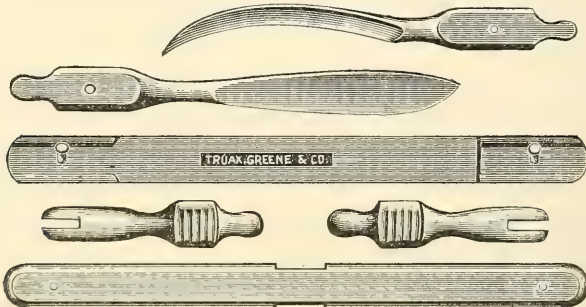


Fig. 2807. Truax, Greene & Co's Aseptible Pocket Case Knife, Scalpel and Curved Sharp Point Bistoury, \$1.75.

Interchangeable blades. All combinations furnished at the same price. This is the most perfect and satisfactory double pocket case knife yet devised. It is perfectly aseptic, strongly made, and having no springs or small parts, it is not liable to get out of order. The blades when opened can be fixed so they are as firm as a solid handle.

HAS **TRUAX & CO.** GREENE⁸⁶

POCKET CASE INSTRUMENTS.



Fig. 2822. Maclean's Artery Forcep, \$1.25. See page 1127.



Fig. 2812. Owen's Mouse Tooth Artery Forcep, \$1.00. See page 1127.



Fig. 2809. Plain Artery Forcep, Separable Aseptible Blades, 80c.



Fig. 2810. Plain Artery Forcep, 55c. See page 1127.



Fig. 2815. Fine Point Artery Forcep, Separable Aseptible Blades 90c.



Fig. 2818. Mouse Tooth Artery Forcep, 75c. See page 1127.



Fig. 2819. Mouse Tooth Artery Forceps, Separable Aseptible Blades, \$1.00. See page 1127.



Fig. 2820. Walcher's Aseptible Artery Forcep, \$1.50. See page 1127.



Fig. 2821. E. Andrews' Artery Forcep, Separable Aseptible Blades \$1.50.



Fig. 2823. Fricke's Artery Forcep, Separable Aseptible Blades, \$1.75. See page 1127.



Fig. 2826. Fricke's Artery Forcep, \$1.50. See page 1127.

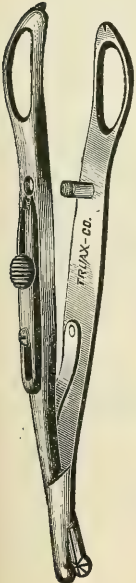


Fig. 2832. Needle and Artery Forcep, slide catch, \$1.50. See p. 1127.



Fig. 2830. Bulldog Artery Forcep, \$1.25. See page 1127.



POCKET CASE INSTRUMENTS.

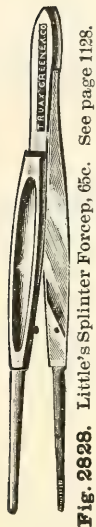


Fig. 2828. Little's Splinter Forcep, 65c. See page 1128.



Fig. 2834. Splinter Forcep, 50c. See p. 1128.



Fig. 2831. Truax's Pocket Case Needle Holder, with patent jaw, aseptic, \$2.50. See page 1128.



Fig. 2833. Whitney's Needle Holder, \$3.25. See page 1128.

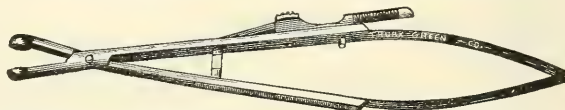


Fig. 2835. Prout's Needle Holder, Aseptic, \$2.60. See page 1128.

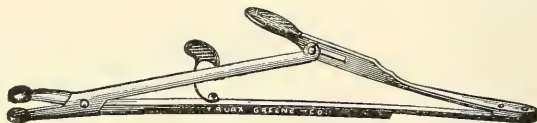


Fig. 2836. Sand's Needle Holder, \$3.00. See page 1128.

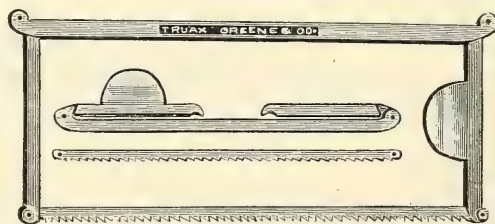


Fig. 2841. Lewis' Folding Saw, \$1.50. See page 1130.

This is not only the best Metacarpal Saw in the market, but it will answer for nearly all major amputations. It may be carried under the fold of a pocket case, and when used should have the teeth point toward the hand.

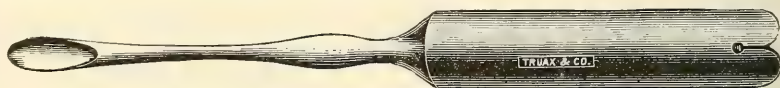


Fig. 2837. Bone Spoon and Tongue Tie, Steel, \$1.00. See page 1130.

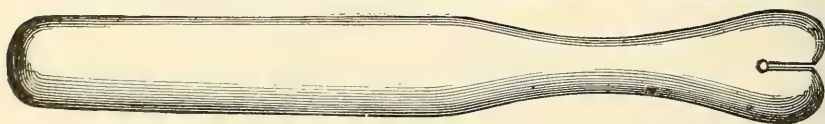


Fig. 2838. Spatula and Tongue Tie, 45c. See page 1130.



Fig. 2839. Duga's Spatula and Elevator, steel, 75c. See page 1130



POCKET CASE INSTRUMENTS.

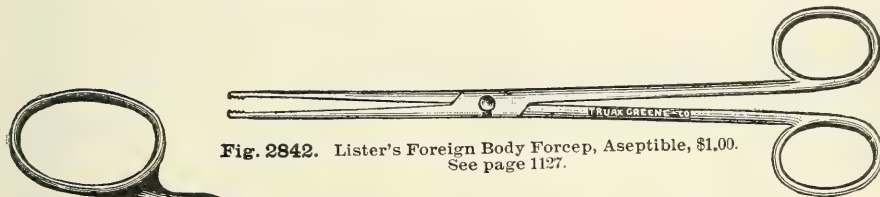


Fig. 2842. Lister's Foreign Body Forcep, Aseptible, \$1.00.
See page 1127.

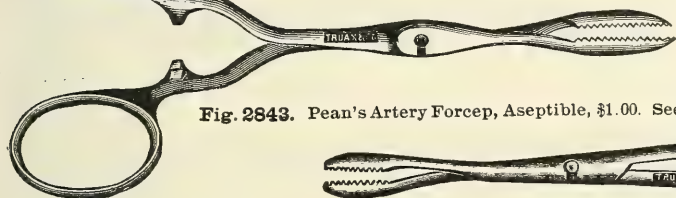


Fig. 2843. Pean's Artery Forcep, Aseptible, \$1.00. See page 1127.

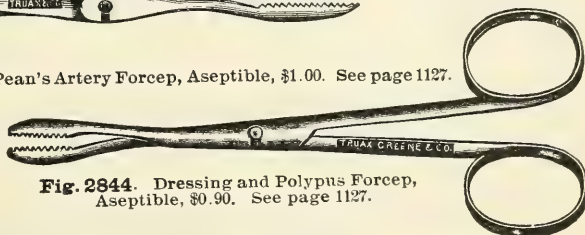


Fig. 2844. Dressing and Polypus Forcep, Aseptible, \$0.90. See page 1127.

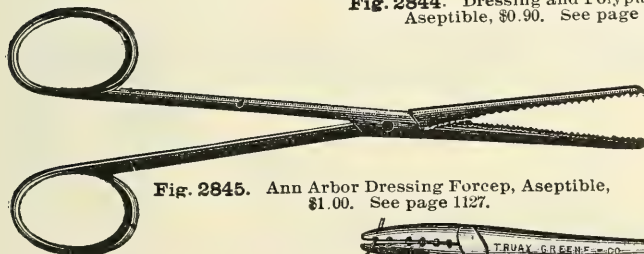


Fig. 2845. Ann Arbor Dressing Forcep, Aseptible, \$1.00. See page 1127.

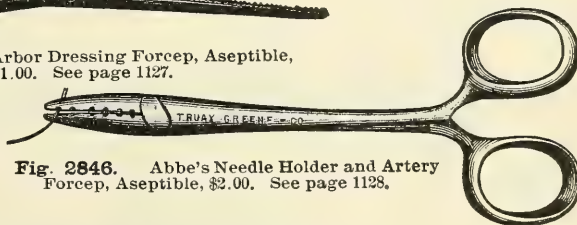


Fig. 2846. Abbe's Needle Holder and Artery Forcep, Aseptible, \$2.00. See page 1128.

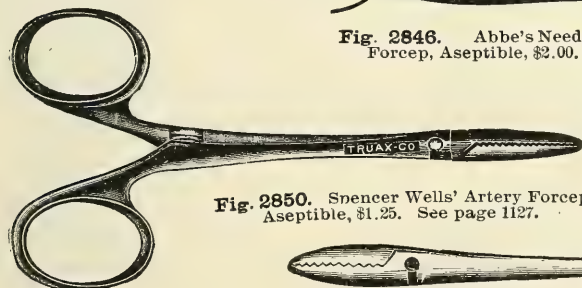


Fig. 2850. Spencer Wells' Artery Forcep, Aseptible, \$1.25. See page 1127.

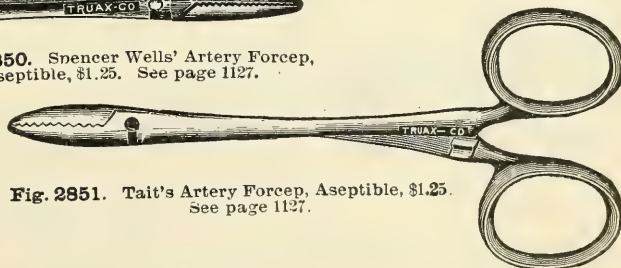


Fig. 2851. Tait's Artery Forcep, Aseptible, \$1.25.
See page 1127.

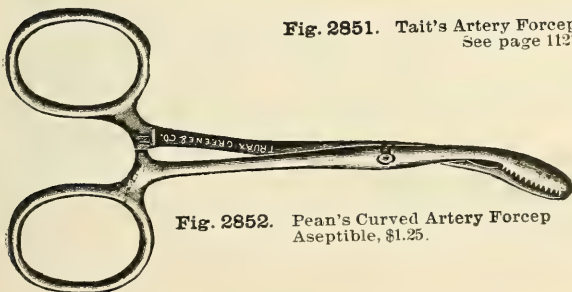


Fig. 2852. Pean's Curved Artery Forcep Aseptible, \$1.25.

POCKET CASE INSTRUMENTS.

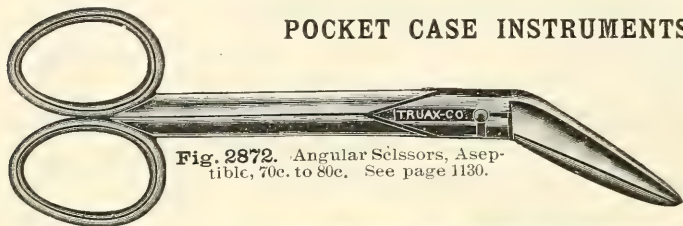


Fig. 2872. Angular Scissors, Aseptic, 70c. to 80c. See page 1130.



Fig. 2875. Blunt Point Scissors, Aseptic, 60 to 75c. See page 1130.

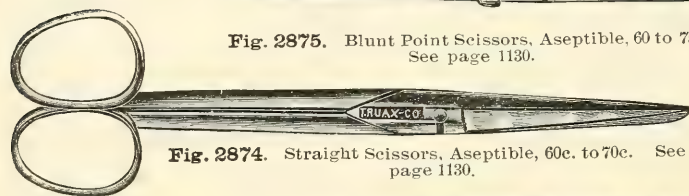


Fig. 2874. Straight Scissors, Aseptic, 60c. to 70c. See page 1130.

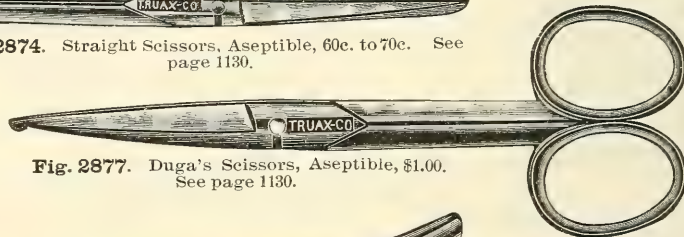


Fig. 2877. Duga's Scissors, Aseptic, \$1.00. See page 1130.

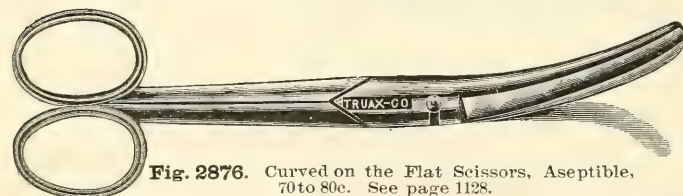


Fig. 2876. Curved on the Flat Scissors, Aseptic, 70 to 80c. See page 1128.

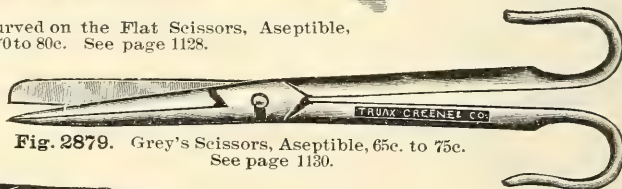


Fig. 2879. Grey's Scissors, Aseptic, 65c. to 75c. See page 1130.

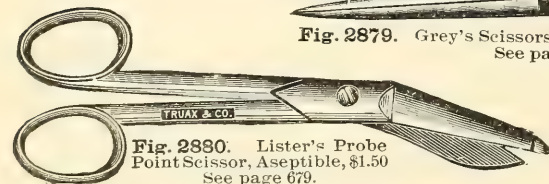


Fig. 2890. Lister's Probe Point Scissor, Aseptic, \$1.50 See page 679.

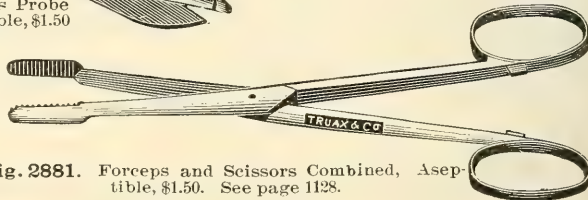


Fig. 2881. Forceps and Scissors Combined, Aseptic, \$1.50. See page 1128.



Fig. 2883. Pocket Case Bone Forcep, Aseptic, \$2.00. See page 1127.

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POCKET CASE INSTRUMENTS.



Fig. 2906. Director and Ear Spoon, 40c. See page 1127.

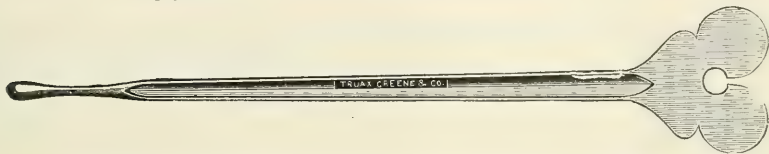


Fig. 2888. Director and Tongue Tie, Probe pointed, 75c. See page 1127.

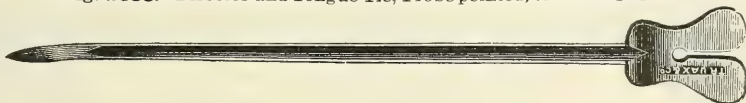


Fig. 2889. Director, Steel, Spear Point, 90c. See page 1127.



Fig. 2892. Director and Aneurism Needle, 40c. See page 1127.



Fig. 2893. Director and Tongue Tie, 40c. See page 1127.

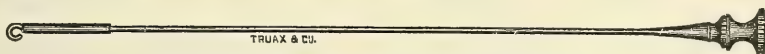


Fig. 2894. Exploring Trocar, 90c. See page 1130.



Fig. 2895. Silver Probes, pair, 50c. See page 1129.



Fig. 2896. Gross' Ear Spoon and Hook, 50c. See page 1127.



Fig. 2897. Scoop and Elevator, \$1.00 See page 1130.



Fig. 2899. Exploring Needle, 30c to 50c. See page 1129.

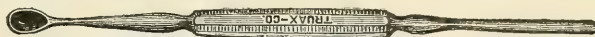


Fig. 2900. Truax' Ear Spoon and Spud, 75c. See page 1127.
This is a valuable combination, furnishing an ear spud that can be carried in a pocket case.



Fig. 2901. Scoop and Periosteotome, \$1.00. See page 1130.



Fig. 2902. Small Porte Meche, 35c. See page 1129.

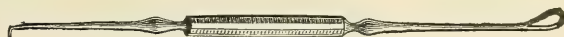


Fig. 2903. Ear Hook and Fenestrated Lens Scoop, 75c. See page 1127.



Fig. 2904. Pocket Case Trocar, \$1.00. See page 1130.



Fig. 2905. Silver Canstic Holder, \$1.10. Page 1126.

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Fig. 2934. Hard Rubber Caustic Holder, with Silver Jaws, 75c. See p. 1126.

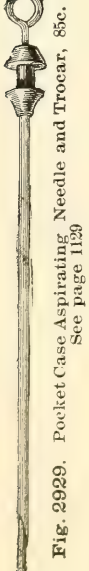


Fig. 2929. Pocket Case Aspirating Needle and Trocar, 85c. See page 1129

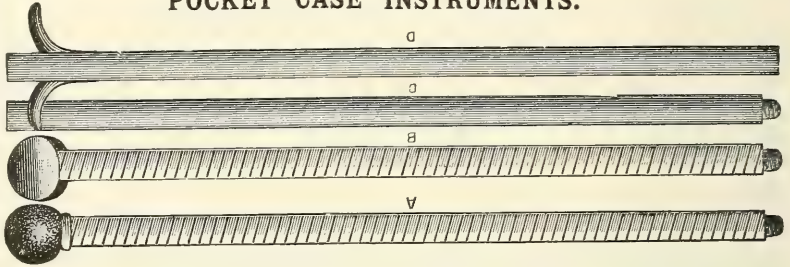


Fig. 2917. Truax' Oesophageal Probang, \$3.00. See page 1126.

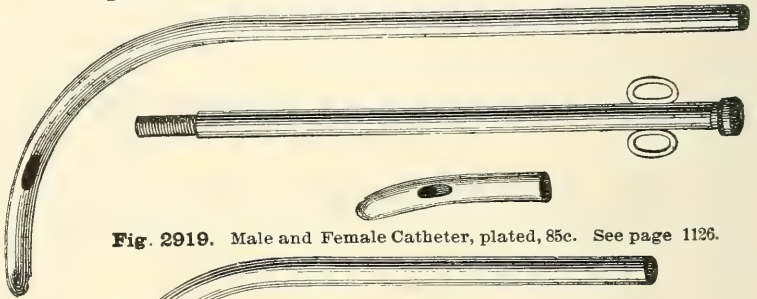


Fig. 2919. Male and Female Catheter, plated, 85c. See page 1126.

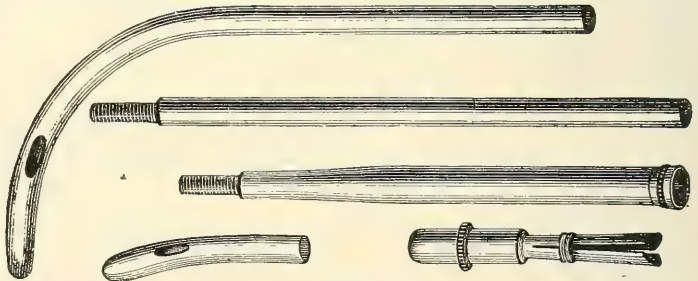


Fig. 2920. Parker's Catheter, plated, with Silver Caustic Holder, \$1.50. See page 1126.

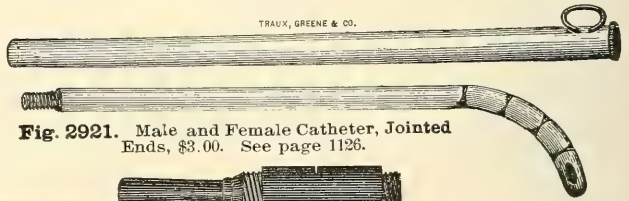


Fig. 2921. Male and Female Catheter, Jointed Ends, \$3.00. See page 1126.



Fig. 2924. Hard Rubber Caustic Holder, 35c to 45c. See page 1126.

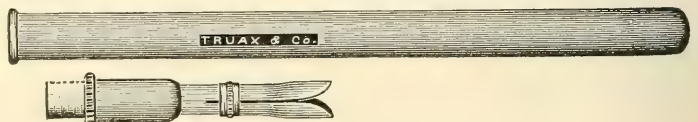


Fig. 2927. Truax' Aluminum Caustic Holder, 75c to \$1.00. See page 1126.

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LITTLE'S ASEPTIBLE KNIVES—ONE PIECE STEEL.



Fig. 2940. Little's Large Scalpel, 60c.



Fig. 2941. Little's Small Scalpel, 60c.



Fig. 2942. Little's Straight Bistoury, 60c.



Fig. 2943. Little's Curved Sharp Point Bistoury, 60c.

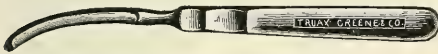


Fig. 2944. Little's Curved Blunt Point Bistoury, 60c.



Fig. 2945. Little's Hernia Knife, 60c.



Fig. 2946. Little's Tenatome, 60c.



Fig. 2947. Little's Aneurism Needle, 60c.



Fig. 2948. Little's Tenaculum, 60c.



Fig. 2949. Little's Needle, 75c.



Fig. 2950. Little's Gum Lance, 60c.



Fig. 2951. Little's Exploring Needle, 75c.



Fig. 2952. Little's Scoop, 75c.



Fig. 2953. Little's Saw, 75c.



Fig. 2960. Reverdin's Closing Eye Needle, Folding Handle, \$3.00. See page 1129.



Fig. 2961. Jointed Serresfins, 50c. See page 1064.



Fig. 2962. Finger Saw, with Slide Catch, \$1.50. See page 1130.

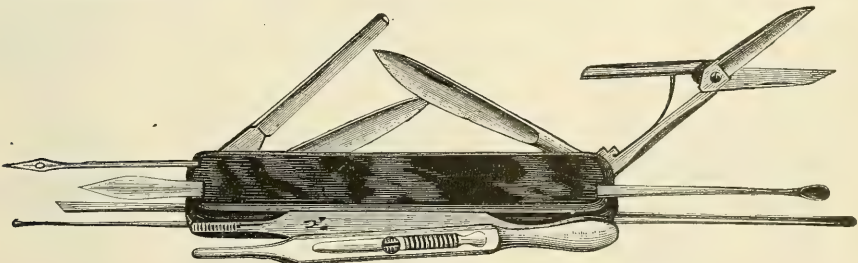


Fig. 2963. Esmarch's Pocket Set, Finest Quality, \$8.00.

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POCKET CASE INSTRUMENTS.

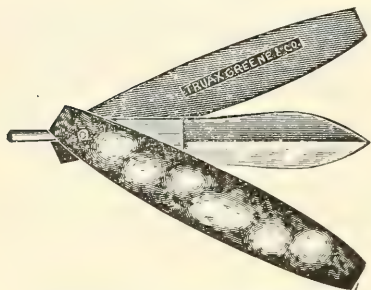


Fig. 2979. Thumb Lance, 50c.
See page 1129.

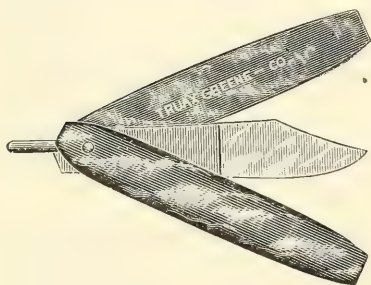


Fig. 2980. Abscess Lance, 50c.
See page 1129.

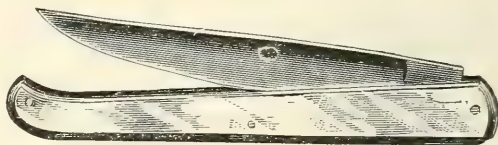


Fig. 2981. Maclean's Knife, \$1.75. See page 1129

This is not only a valuable instrument for carrying in the Pocket but it may easily be incorporated in most pocket cases. It is not only suitable for opening tumors and making minor amputations, but, with reasonable care, even a large flap could be made successfully, and any but a thigh amputation made.



Fig. 2982. Gum Lance, 50 to 75c. See page 1128.

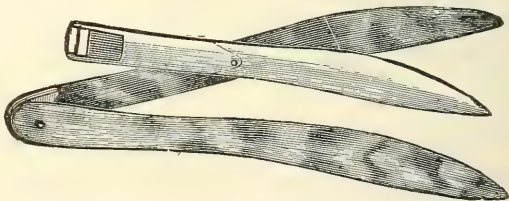


Fig. 2983. Seton Needle, 75c. See page 1129.



Fig. 2987. Truax' Probes, \$1.00. See page 1130.

This set of Probes is a valuable addition to a pocket case. Besides serving as a pair of ordinary probes, they can be screwed together, thus forming a long probe for either Surgical or Gynecological use. One part is grooved for a Director, while one is an Elastic Spiral Probe, having a porcelain head, so that it answers for a Bullet Probe or for exploring a sinuous cavity.

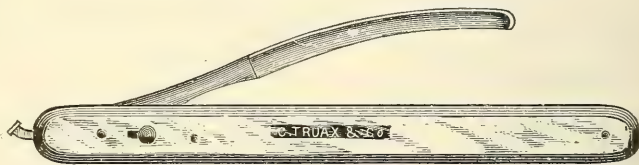


Fig. 2984. Probe Point Bistoury, slide catch, \$1.00. See page 1128.

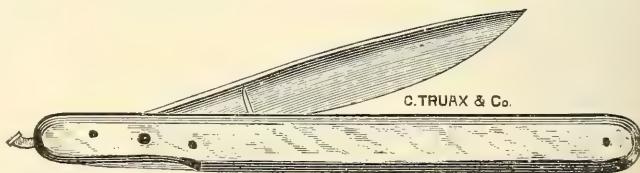


Fig. 2985. Scalpel, 50 to 75c. See page 1128.

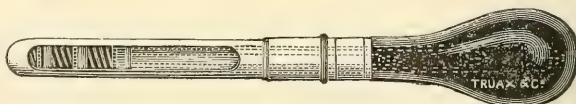


Fig. 2986. Truax' Nested Trocars, set of three, \$2.75. See page 1130.

This combines an Exploring Trocar with two larger sizes, each supplied with a canula, and all fitting into one handle.

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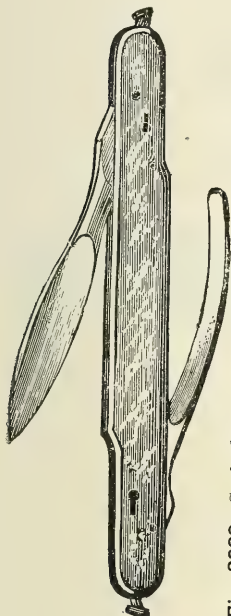


Fig. 2988. Scalpel and Probe Bistoury, slide catch, \$1.50. Any other combination at same price. See Page 1128.

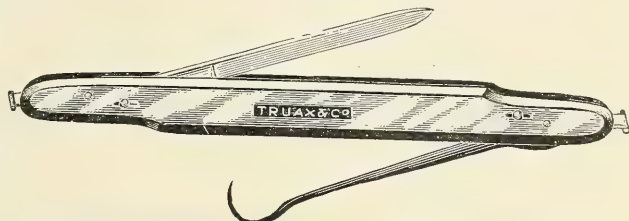


Fig. 2990. Straight Bistoury and Tenaculum, slide catch, \$1.50. See page 1128.

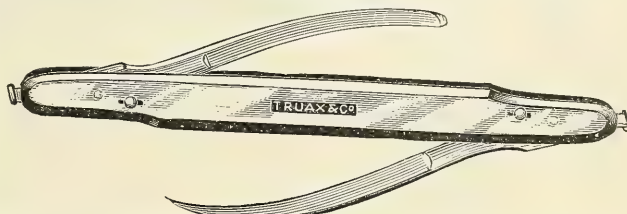


Fig. 2991. Curved Probe and Sharp Point Bistoury, slide catch, \$1.50. See page 1128.

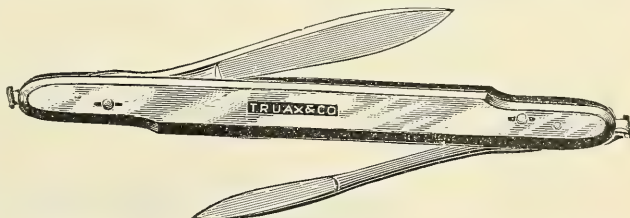


Fig. 2992. Scalpel and Tenatome, slide catch, \$1.50. See page 1129.

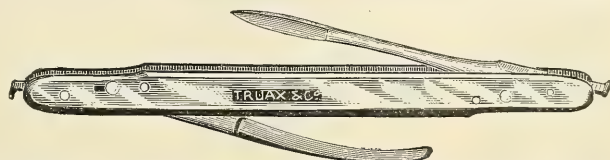


Fig. 2993. Curved Probe Point Bistoury and Tenatome, slide catch, \$1.50. See page 1128.

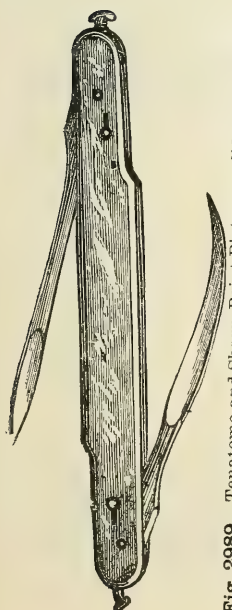


Fig. 2989. Tenatome and Sharp Point Bistoury, slide catch, \$1.50. Any other combination same price. See page 1129.

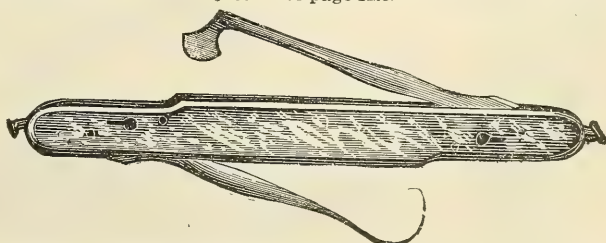


Fig. 2994. Tenaculum and Gum Lance, slide catch, \$1.50. Any other combination at same price. See page 1129.

POCKET CASE INSTRUMENTS

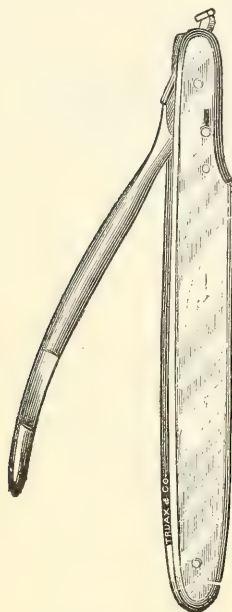


Fig. 2895. Cooper's Hernia Knife, slide catch, \$1.00. See page 1128.

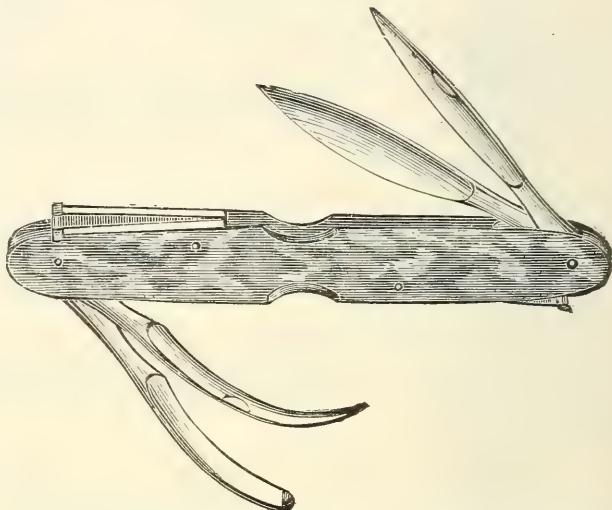


Fig. 2997. Four Blade Knives, any combination, \$3.50. See page 1129.

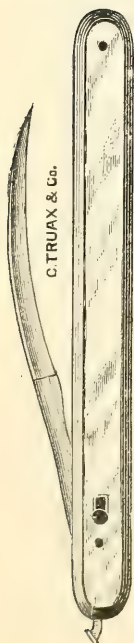


Fig. 2996. Sharp point Bistoury, slide catch, \$1.00. See page 1128.

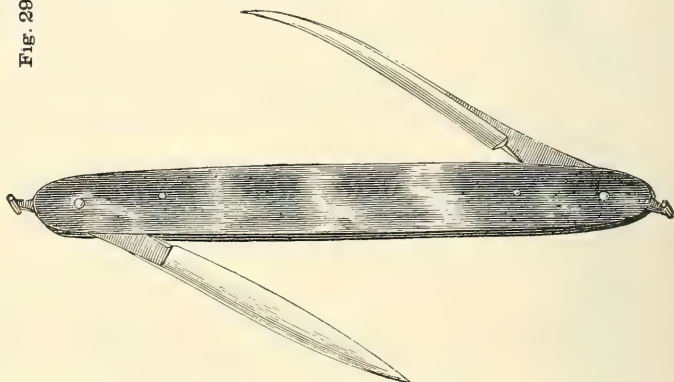


Fig. 2998. Straight and Sharp Point Bistouries, \$1.00. See page 1128.

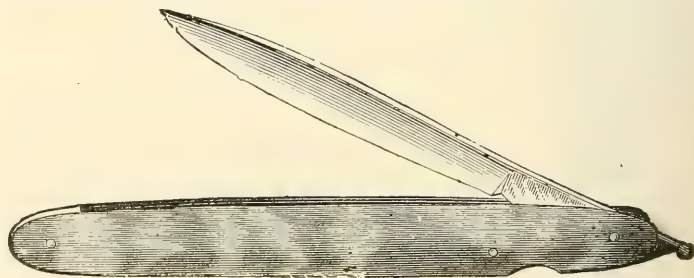


Fig. 2999. Straight Bistoury, 50c. to 75c. All other blades at same price. See page 1128.



EYE INSTRUMENTS.

ASTIGMOMETER, Hotz', Fig. 3686.....	\$5 00
BATHS, Eye, Fig. 3578.....	25
BISTOURY, Cache, Jaeger's, Fig. 3081.....	6 00
Angular, right and left, Fig. 3119.....	1 10
Strabismus, Fig. 3083.....	1 75
Straight, Fig. 3121.....	1 10
BRUSHES, camel's hair.....	per doz. 25
CANULAS, Lachrymal, gold.....	\$2 00 to 3 50
Gensoul's, for cauterizing.....	2 25
Prince's, medicating, Fig. 3652.....	55
Silver, Figs. 3522, 3526, 3528 and 3530.....	each 35
Wecker's, Fig. 3584.....	1 00
CATARACT INSTRUMENTS, Blanchet's.....	1 75
Bowman's, Fig. 3340.....	2 00
Teal's, in case, Fig. 3339.....	3 75
Teal's Plain Suction, Glass tube, Fig. 3341.....	50
CATARACT MATURER, Betman's.....	1 50
CATHETER, Lachrymal, silver, Spier's, Fig. 3547.....	75
Wecker's, Fig. 3584.....	1 00
CAUSTIC HOLDER, silver case, Fig. 2905.....	1 10
Knapp's.....	80
CAUTERY IRON, Desmarre's.....	2 25
COLOR TESTS, Woolen.....	sets 3 00
COMPRESSOR, Eyelid, Stoke's.....	2 25
CUPS, Eye, Fig. 3578.....	25
CURETTE, curved, steel.....	1 50
Daviel's, Fig. 3137.....	1 00
Desmarre's.....	1 25
Hebra's, Meibronian, Fig. 3123.....	1 25
Meyhofer's, Meibronian, Fig. 3125.....	1 25
CYSTOTOMES, Graefe's, Straight, Fig. 3225.....	1 10
Graefe's Right, Fig. 3224.....	1 10
" Left, Fig. 3224.....	1 10
Desmarre's.....	1 10
Needle, Knapp's.....	1 35
Knapp's, Fig. 3327.....	1 10
And scoop, Fig. 3338.....	1 75
And lens scoop, Fig. 3338.....	1 75
DILATOR, Canalicula, Blitz's.....	2 75
Canicula, Galezowsky's, Fig. 3649.....	1 90



EYE INSTRUMENTS.

DILATOR, Weber's, graduated, Fig. 3542.....	\$0 75
Williams', silver, Fig. 3543.....	75
DIRECTORS, Bowman's, Fig. 3545.....	40
DIVULSER, Pterygium, Prince's, Fig. 3102.....	1 25
DOUCHES, Eye, common.....	75
Agnew's.....	2 65
Stop-cock.....	50
DRILL, Lachrymal, Wilmer's, Fig. 3577.....	2 75
DROPPERS. See page 732.....doz	35
DROP BOTTLE, Galezowsky's, nickel-plated fittings, Fig. 3633.....	75
DRUM, for testing the points of instruments, Fig. 3601.....	50
ELECTRO MAGNET, Bradford's.....	18 75
Gruening's.....	9 00
ELEVATORS, Desmarre's, Fig. 3254.....	1 10
EYE, Perin's.....	22 50
Emerson's Schematic.....	15 00
EYES, Artificial. See page 1174.....each	3 50
In ordering artificial eyes, please give us, as near as possible, size and color wanted, when we will send a quantity from which to select. Customers must assume all risk of breakage and pay all expressage.	
FORCEPS, Advancement, Prince's, Fig. 3439.....	1 50
Canulated, Wilde's.....	9 00
Chalazion, Ayer's, Fig. 3427.....	2 00
" Dennis' Reversible, Fig. 3457.....	2 00
Depilating, Plain (Cilia), Fig. 3463.....	60
" Piffard's (Epilating) Fig. 1985.....	1 25
" Bergh's (Cilia) Fig. 3462.....	1 00
" Henry's, Fig. 3437.....	1 75
Dressing, straight serrated, Fig. 3403.....	1 00
" curved, serrated, Fig. 3405.....	1 00
Entropium, cross-bar, Fig. 3450.....	1 75
" Desmarre's, Fig. 3454.....	2 00
" Knapp's, Right, Fig. 3451.....	2 50
" " Left, Fig. 3451.....	2 50
" Laurence's, Fig. 3453.....	2 25
" Noye's, Fig. 3455.....	1 85
" Prout's, reversible, Fig. 3458.....	2 60
" Ring.....	2 25
" Roehrick's.....	2 25
" Schetterly's, Fig. 3456.....	2 50
" Snellen's, right, Fig. 3452.....	2 00
" " left, Fig. 3452.....	2 00
Epilating. See Depilating.....	
Extirpation, Blitz's.....	2 25
Fixation, Carron de Villard's, Fig. 3417.....	2 25
" curved, Fig. 3419.....	1 10
" curved, with catch, same as Fig. 3419.....	1 50
" De la Roza's.....	1 50



EYE INSTRUMENTS.

FORCEPS, Fixation, Dudley's	2 25
Fixation, Graefe's, Fig. 3413.....	1 50
" Le Fort's, Fig. 3433.....	2 00
" Monnoyer's, double, Fig. 3449.....	3 00
" Noye's, Fig. 3459.....	2 25
" Prince's, Fig. 3431.....	1 50
" slide catch, Fig. 3417.....	2 25
" spring catch, Fig. 3413.....	1 50
" Stevens', Fig. 3422.....	1 75
" and Tumor, Fig. 3421.....	1 10
Foreign body, Fig. 3461.....	2 40
Iris, Agnew's	1 30
" Fisher's, Fig. 3460.....	90
" Forster's, Fig. 3415.....	1 25
" Liebrich's, rotating, latest, Fig. 3429.....	4 25
" original, Fig. 3430.....	3 00
" Walton's.....	1 85
" straight, Fig. 3400.....	90
" curved, Fig. 3401.....	90
" angular, Graefe's, Fig. 3407.....	1 10
Lid, Carron de Villard's	3 00
Needle, for false membrane, Lannes'	3 50
Needle Holding, Knapp's, delicate, Fig. 3478	2 50
" Prout's, Fig. 3468.....	2 60
" Sand's, Fig. 3470.....	3 00
" Stevens', Fig. 3476.....	3 00
" Truax', Fig. 3474.....	2 50
" Whitney's, Fig. 3472.....	3 25
Strabismus, advancement, Prince's, Fig. 3439	1 50
" straight, Fig. 3409.....	1 00
" curved, Fig. 3411.....	1 10
Tendon, Stevens', straight, Fig. 3423	1 25
" curved, Fig. 3424.....	1 25
Trachoma, Knapp's, Fig. 3426	2 25
" Noyes', Fig. 3435.....	1 30
" Prince's, Fig. 3441.....	1 90
Trichiasis, Rattis'	2 25
Tumor and Fixation, Fig. 3421	1 10
GOUGES	1 10
Lachrymal, Noyes'.....	1 90
Pocket and Spatula.....	1 75
HOLDERS, Jaeger's Lid, rubber, Fig. 3688	50
Jaeger's Lid, shell, Fig. 3688.....	1 00
HOOKS, blunt, Graefe's, Fig. 3211	1 10
Capsula, Weber's, right, Fig. 3228.....	1 10
" left, Fig. 3228.....	1 10
Desmarre's, many pronged.....	1 50
Double, Weber's.....	1 10
Double Fixation, Fig. 3233.....	1 10



EYE INSTRUMENTS.

HOOKS, Enucleating, Wells', Fig. 3258	\$ 2 00
" Wecker's, Fig. 3256.....	1 75
Extirpation, Ball's, with slide	2 25
Eyelid, Prince's, Fig. 3250	1 70
Iris, Culbertson's	9 00
" Weber's, double.....	1 10
Knapp's Foreign Body, Fig. 3209	1 30
Noyes', barbed, Fig. 3213	1 10
Strabismus, large or small, Fig. 3203	90
" half curved.....	90
" double, Wecker's, Fig. 3323.....	3 00
" with eye, Agnew's, Fig. 3207.....	1 00
" Critchet's.....	1 00
" McDonald's, barbed, Fig. 3205.....	1 15
" Prince's, divulsion.....	1 10
" Taylor's.....	1 00
" Taylor's, barbed.....	1 20
" Wecker's, double, Fig. 3323.....	3 00
Tenotomy, Stevens', Fig. 3245	1 10
Traction, Stevens', Fig. 3247	1 50
Tyrrell's, blunt, Fig. 3231	90
" sharp, Fig. 3229.....	90
HOOK-BISTOURY, Strabismus, Fig. 3083	1 50
IRICYSTOME, Culbertson's	12 00
IRONS, Cautey, Desmarre's	2 25
KERADOSCOPE, Placido's, Fig. 3650	4 00
KERATOMES, see Cataract Knives.	
KNIVES, Canalicula, angular, Fig. 3058	1 25
Canalicula, Agnew, with flexible shank and either curved or straight probe points, Fig. 3047.....	1 15
" Beaumont's, concealed.....	6 00
" Bowman's, sharp point, Fig. 3039.....	1 10
" " blunt point, Fig. 3037.....	1 10
" " curved probe point, Fig. 3027.....	1 10
" Girard Teulon's, concealed, Fig. 3320.....	5 00
" Greenslade's, concealed.....	6 00
" Liebrich's, Fig. 3041.....	1 25
" Noyes', plain, Fig. 3035.....	1 10
" " movable blade, jointed, Fig. 3085.....	3 00
" " straight, with curved probe point, Fig. 3045.....	1 25
" " " flexible shank and either curved or straight probe points, Fig. 3049.....	1 25
" Noyes-Stilling's, Fig. 3033.....	1 20
" Schweigger's, Fig. 3050.....	1 25
" Stilling's, Fig. 3025.....	1 10
" Weber's, curved, Fig. 3029.....	1 10
" " half curved, Fig. 3031.....	1 10
" " straight, probe point, Fig 3043.....	1 10



EYE INSTRUMENTS.

KNIVES, Cataract, Agnew's, Fig. 3086.....	\$ 1 30
“ Baeder's, Linear, curved, to right or left, Fig. 3070.....	1 10
“ Beer's, three sizes, Fig. 3090.....	1 10
“ broad.....	1 10
“ Fistula lachrymalis, Pettit's.....	1 50
“ Graefe's Linear, narrow, Fig. 3060.....	1 00
“ “ convex edge, Fig. 3068.....	1 15
“ Hooked, Agnew's.....	1 35
“ Jaeger's, straight, Fig. 3109.....	1 10
“ “ bent, Fig. 3111.....	1 10
“ Knapp's hollow ground, Fig. 3064.....	1 50
“ Liebrich's.....	1 10
“ Noyes', straight, for enlarging the section, Fig. 3121.....	1 10
“ “ hollow ground, Fig. 3066.....	1 25
“ Schweigger's, Fig. 3062.....	1 10
“ Sichel's, Fig. 3088.....	1 10
“ Stilling's, with curved shank, Fig. 3052.....	1 30
“ Weber's.....	1 90
“ Zehender's, 3 sizes, Fig. 3092.....	1 10
“ secondary, concave edge, Fig. 3089.....	1 10
“ “ convex edge, Fig. 3091.....	1 10
“ “ Desmarre's, angular, Fig. 3094.....	1 25
“ “ straight, Fig. 3087.....	1 10
Eneucleating, Brazil's, Fig. 3098.....	1 50
Iris, Adam's.....	1 10
“ straight edge, Fig. 3115.....	1 10
“ plain, Fig. 3099.....	1 10
“ broad.....	1 10
“ with stop, Fig. 3114.....	1 25
“ double edge, Fig. 3117.....	1 10
“ sickle shaped.....	1 25
Sichel's, Fig. 3088.....	1 10
Lachrymal, Prout's.....	1 90
Lachrymalis, fistula, Parker's.....	1 15
KNIFE HOOK, Camfield's, Fig. 3100.....	1 30
KNIFE NEEDLE, Hayes', Fig. 3113.....	1 10
Knapp's.....	1 20
LEECH, Heurteloup's, Fig. 3659.....	3 50
LENS, Noyes', with Finger attachment, Fig. 3654.....	4 00
NEEDLES, Suture, assorted.....	doz. 75
And spud, pocket, Fig. 3325.....	1 75
and spud, metal handle, Fig. 3338.....	1 60
Cataract, Advancement, Prince's, Fig. 3244.....	1 85
“ angular.....	1 00
“ Beers', straight, Fig. 3103.....	1 00
“ Bowman's, stop, Fig. 3163.....	1 00
“ “ stop, curved.....	1 10
“ Canulated, Wecker's.....	1 50



EYE INSTRUMENTS.

NEEDLES, Cataract, couching, Fig. 3176.....	\$ 1 00
Cataract, Discision, Fig. 3104	1 00
" hollow curved.....	1 25
" narrow, Fig. 3161.....	1 00
" curved.....	1 00
" Walton's, grooved, Fig. 3172.....	1 25
" round pointed.....	1 00
" Iris, plain, Fig. 3095, 3097, 3101.....	1 10
" " Critchet's, hooked, Fig. 3239.....	1 00
" " De la Roosa's.....	1 35
" " Knapp's, with stop, Fig. 3159.....	1 10
" " Levi's, with eye.....	1 20
" " Luzardi's, hooked, Fig. 3237.....	1 10
" " plain, with stop, Fig. 3166.....	1 10
" Iris Knife, Hayes', Fig. 3113.....	1 10
" " " plain, Fig. 3170.....	1 10
" " " Paracentesis, broad.....	1 00
" " " Desmarre's, very broad, Fig. 3180.....	1 25
" " " Fig. 3178.....	1 25
" long.....	1 00
" narrow.....	1 00
Suture, spool, Prince's, Fig. 3324.....	3 40
" Himley's, Fig. 3187.....	1 25
Foreign body, Carron de Villard's.....	1 00
" couching, large, Fig. 3176.....	1 00
Tattooing, Baeder's.....	1 50
" Agnew's, Fig. 3200.....	1 50
" grooved.....	1 50
NEEDLE FORCEPS, Lanne's, for false membrane.....	3 50
NEUROTOME, Schoeler's, Fig. 3096.....	1 25
OPHTHALMOSCOPE, Baumeister's.....	4 00
Dudley's.....	22 50
Fox's.....	25 00
Knapp's, 23 lens, single, Fig. 3602.....	10 00
Landolt's.....	12 00
Lieblich's, Fig. 3605.....	2 50
" extra fine Fig. 3603.....	3 50
This ophthalmoscope is put up in an elegant fine leather case, metal edges and clasp, condensed for vest pocket, extra fine quality lenses, and ivory handle.	
Loring's, 7 lens, Fig. 3628.....	3 50
" 15 " best, student's, Fig. 3604.....	6 25
" 15 " and 4 in quadrant, with tilting mirror, Fig. 3600.....	7 50
" 15 " with quadrant, improved, Fig. 3598.....	13 50
Morton's, Fig. 3637.....	25 00
OPHTHALMOSTATES, three pointed, Fig. 3217.....	1 10
Jaeger's.....	6 00
Noyes', Fig. 3219.....	1 50
Pamard's, Fig. 3221.....	1 15



EYE INSTRUMENTS.

OPHTHALMO-DYNAMOMETER, with steel tape measure, Fig. 3698.....	\$ 5 00
OPHTHALMO-PHANTOMES, on stand, double-jointed, upright, face on pivot ;	
two eyes.....	8 50
Same, with one eye, single jointed, Fig. 3656.....	7 50
PENCILS, alum, Fig. 3657.....	25
Blue vitrol, Fig. 3657.....	25
Nitrate silver, Fig. 3655.....	25
PERIMETER, Landolt's, Fig. 3684.....	30 00
Badal's, Fig. 3680.....	17 50
Javel & Shidtz', Fig. 3699.....	85 00
Schweigger's, small, Fig. 3630.....	10 00
" large, Fig. 3631.....	20 00
PHOROMETER, Stevens'.....	30 00
PIPETTE, cocaine, Prince's, Fig. 3652.....	55
PIQUE, Pamard's, for fixing the eye, Fig. 3221.....	1 15
PROBES, Anel's, silver, Fig. 3549.....	25
Bowman's, set of 8, silver, Fig. 3546.....	2 10
" " " " in neat case.....	3 00
" each, two sizes, silver, Fig. 3546.....	55
Noyes', set.....	2 25
" bulbous', Fig. 3583.....	55
Levis'.....	1 50
Theobolt's, set of 16.....	3 00
" in neat case, set of 16, Fig. 3571.....	3 75
Williams', each, silver, Fig. 3544.....	55
" set of 8.....	2 15
" set of 8, in neat case.....	3 00
PROBE AND FISTULA KNIFE, Liebrich's.....	1 50
PUPILOMETER, patent, Fig. 3682.....	3 75
PRISOPTOMETER, Culbertson's, Fig. 3651.....	21 00
Culbertson's, with stand.....	25 00
RETRACTORS, Desmarre's, three sizes, Fig. 3254.....each	1 10
Desmarre's, jointed, Fig. 3260.....	1 30
Noyes'.....	1 30
Stevens', Fig. 3252.....	1 25
See also Elevators.	
SCALPELS, three sizes each, Fig. 3105.....	1 10
SCARIFICATOR, Desmarre's, Fig. 3107.....	1 10
Graefe's, Fig. 3108.....	1 10
SCISSORS, Canalicula, Maunoir's, Fig. 3484.....	1 10
Enucleating, Fig. 3485.....	1 25
" Wecker's,.....	2 00
" Wells',.....	1 75
Iridectomy, Althoff's.....	3 75
" Wecker's, Fig. 3465.....	4 00
Iris, straight, light, Fig. 3489.....	1 00
" heavy, Fig. 3487.....	1 00
" curved on the flat, light, Fig. 3490.....	1 10
" " " heavy, Fig. 3491.....	1 10
" Hall's.....	4 50



EYE INSTRUMENTS.

SCISSORS, Iris, McCluer's, Fig. 3467.....	\$ 4 50
" Noyes', delicate, fine points, Fig. 3482.....	3 00
Keratome, Strawbridge's.....	7 50
Pterygium, Chadwick's, Fig. 3486.....	2 00
Strabismus, angular, sharp points, Fig. 3499.....	1 10
" " one sharp and one probe point, Fig. 3497.....	1 10
" " curved on the flat, one probe point.....	1 10
" " " " " both probe points, heavy, Fig. 3502....	1 10
" " " " " points blunt, heavy, Fig. 3504.....	1 10
" " " " " round points, light, Fig. 3496.....	1 10
" " " " " both probed points, light, Fig. 3498....	1 15
" " straight, both points probe, Fig. 3494.....	1 15
" " Hobby's, curved right, Fig. 3495.....	2 25
" " " left, Fig. 3495.....	2 25
Tendon, Stevens', Fig. 3483.....	2 00
SCOOPS, Arlt's.....	1 25
Critchett's, concave lens, Fig. 3139.....	1 10
" flat lens, Fig. 3141.....	1 10
Graefe's lens, Fig. 3235.....	1 25
Hard rubber lens, Fig. 3223.....	60
Fenestrated lens, steel, Fig. 3151.....	1 10
Bowman's, fenestrated, straight.....	1 15
" " curved.....	1 15
" " flat lens.....	1 15
" " concave lens.....	1 30
Brecht's, silver.....	1 75
Critchett's, serrated, Fig. 3143.....	1 15
Daviel's, German silver, Fig. 3137.....	1 00
Hollow, for soft cataract, Fig. 3153.....	1 50
Knapp's, silver, Fig. 3147.....	1 50
Levis', steel, very delicate, Fig. 3149.....	1 25
Lens, shell, Fig. 3223.....	1 15
Lens and spud.....	1 75
Lens and cystotome, Fig. 3338.....	1 75
Noyes', German silver.....	1 75
" steel, toothed, Fig. 3155.....	1 70
" lens, Fig. 3157.....	1 25
Waldeau's, silver, Fig. 3145.....	1 50
Wecker's, steel, sharp edge, Fig. 3135.....	1 30
SHADES, child's, single, Fig. 3700.....	15
" double, Fig. 3699.....	25
Adults, single, Fig. 3700.....	15
" double, Fig. 3699.....	35
SILK, see page 762.	
SKINS, for testing instruments.....	gramme 50
SOUND, Lachrymal, cupped, Brewster's.....	1 90



EYE INSTRUMENTS.

SPATULAS, plain, shell, Fig. 3186.....	\$ 1 10
Althoff's, steel, Fig. 3184.....	1 00
Daviel's, German silver, Fig. 3182.....	90
Plain, German silver, Fig. 3186.....	90
“ steel, Fig. 3186.....	1 10
Hard rubber, Fig. 3186.....	60
SPECULUMS, plain wire, Fig. 3377.....	40
Bowman's.....	3 00
Bradford's.....	3 40
Critchett's, Fig. 3361.....	1 35
Fox's.....	2 50
Galante's, Fig. 3381.....	1 75
Galezowskie's, Fig. 3380.....	2 50
Graefe's, Fig. 3369.....	1 25
Hart's.....	1 00
Landolt's, Fig. 3375.....	pair 3 00
Lawrence's.....	1 00
Liebold's, Fig. 3383.....	1 75
Noyes', steel, nickel-plated, Fig. 3371.....	1 50
“ plain, Fig. 3364.....	75
Pana's, Fig. 3373.....	3 00
Schweigger's, Fig. 3367.....	2 00
Stevens', Fig. 3379.....	1 00
SPOONS, see scoops.....	1 25
SPRAY TIPS, hard rubber.....	50
SPUDS, Dix', Fig. 3202.....	90
“ and Curette.....	1 75
And Ear spoon, 'Truax', Fig. 3337.....	75
And Exploring Needle.....	1 75
Pocket and Needle, Fig. 3338.....	1 60
“ “ “ Fig. 3325.....	1 75
STOP-COCK, Douche, Fig. 3653.....	50
STRABISOMETER, Binocular, Galezowski's.....	4 50
STRABOMETER, Lawrence's, ivory, Fig. 3635.....	1 50
STRICTURATOME, Lachrymal, Thomas'. See page 1180.....	1 25
STYLES, gold, according to size and shape.....	\$1 50 to 3 50
Lead.....	20
Silver, Figs. 3536, 3538, 3540.....	each 25
“ hollow, Figs. 3528, 3530.....	35
Rubber.....	40
Williams', plain.....	35
“ curved.....	35
SYRINGES, Lachrymal, Anel's, best, silver barrel, gold points, in case, Fig. 3576.....	8 00
“ Anel's, metal barrel, silver points, in case.....	3 50
“ common metal barrel, in case.....	1 75
“ glass barrel, silver points, in case.....	3 50
“ Colburn's, Fig. 3579.....	1 00

EYE INSTRUMENTS.

SYRINGES, Lachrymal, J. A. Dun's.....	\$ 1 50
" Knapp's.....	2 75
" hard rubber, one needle.....	1 25
" " one silver needle.....	2 50
" Agnew's, 2 silver points, Fig. 3572.....	3 25
" Einhorn's, Fig. 3588.....	1 00
" McFarlan's, hard rubber, silver point, Fig. 3588.....	1 50
" Prince's.....	75
Subpalpebral, Liebold's.....	1 00
" Tansley's, Fig. 3574.....	4 00
TATTOO, spring, Agnew's.....	3 50
TENACULUMS, two sizes.....	1 00
TEST DRUMS, for trying edges and points of instruments, Fig. 3601.....	50
TEST TYPES, Snellen's series, in book form, with tests.....	75
For astigmatism, set of 4 on cardboard, in metal rack.....	75
TRACTOR, Graefe's, Fig. 3215.....	1 10
TROCAR, Paracentesis, long or short points.....	1 25
Paracentesis, Desmarre's, Fig. 3178.....	1 25
TRIAL CASES. See page 1203	

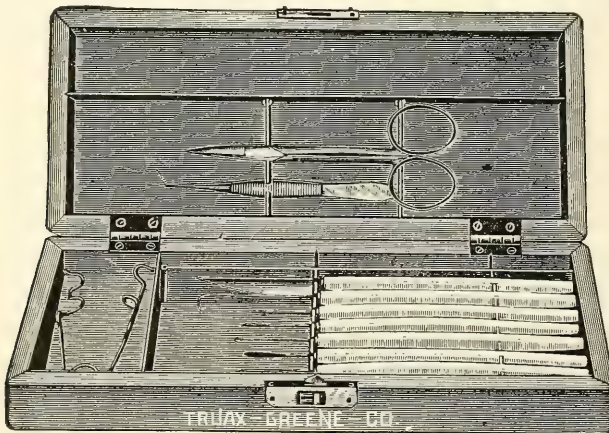


Fig. 3005. TRUAX, GREENE & CO'S EYE CASE, No. 1.

CONTAINING:

1 Beers' knife.	1 Strabismus hook.
1 Couching needle,	1 Dix' spud.
1 Iris needle.	1 Silver probe.
1 Iris forceps.	3 Suture needles.
1 Iris scissors, fine pointed, curved on the flat.	1 Skein fine silk.
1 Wire speculum.	1 Tyrrell's sharp iris hook.
	1 David's curette.

In polished wood case, with metal racks.....\$12 50

CHAS. TRUAX GREENE & CO.

EYE CASES.

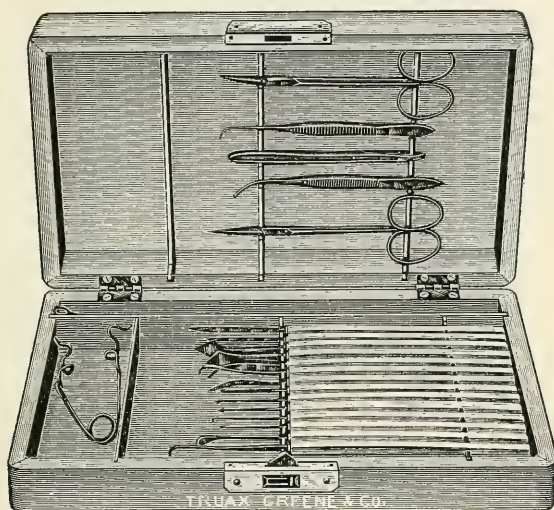


Fig. 3007. TRUAX, GREENE & CO'S EYE CASE, No. 3,

Containing: 1 Graefe's linear knife; 1 Bowman's canalicula knife; 1 Beers' cataract knife; 1 Desmarre's scarificator; 1 straight keratome; 1 angular keratome; 1 strabismus hook; 1 small scalpel; 1 curved couching needle; 1 small curved needle; 1 straight iris needle; 1 cystotome; 1 Tyrrell's blunt hook; 1 Tyrell's scoop; 1 wire speculum; 1 cilia forcep; 1 strabismus forcep; 1 iridectomy forcep; 1 straight iris scissors; 1 curved iris scissors; 1 Anel's silver probe; 6 suture needles and fine silk. In polished wood case with metal racks.....\$25 00

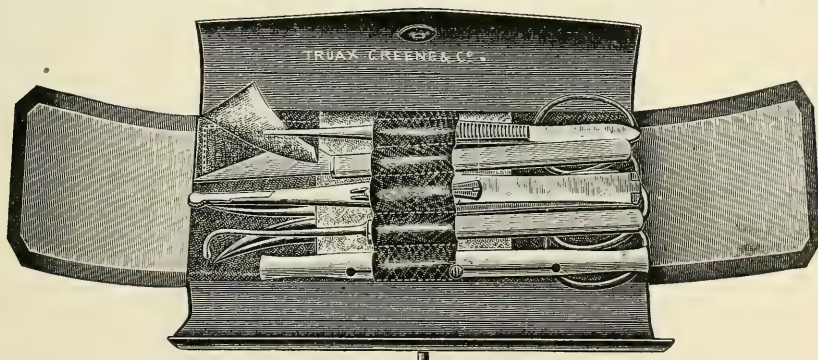
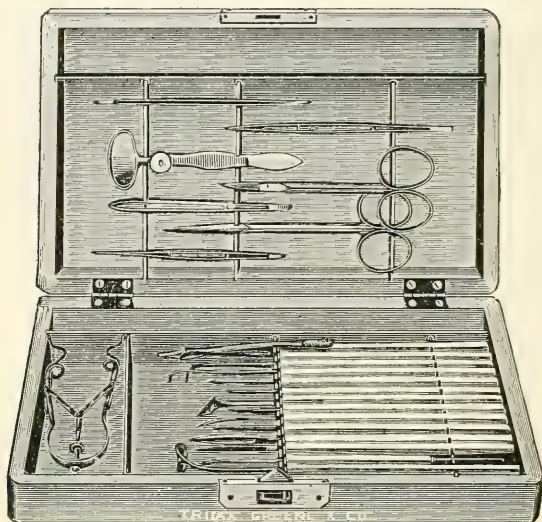


Fig. 3009. DUDLEY S. REYNOLDS' POCKET EYE CASE,

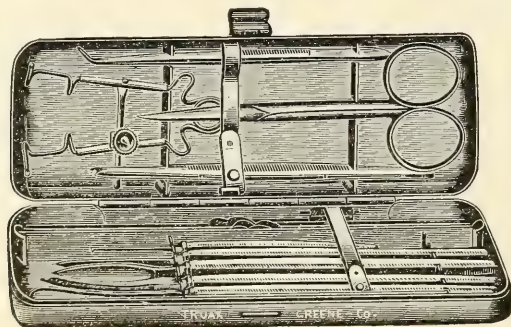
Containing: 1 Sharp point scissor, curved on the flat; 1 Sharp point scissor, curved on the edge; 1 Prout's needle holding forcep; 1 straight strabismus forcep; 1 Beers' knife; 1 strabismus hook; 1 slide curette and spear point needle; needles and silk; in a genuine seal leather case.....\$11 00



EYE CASES.

**Fig. 3011. DR. J. E. HARPERS' EYE CASE, NO. 2.**

Containing: 1 Noyes' steel speculum, 1 Desmarre's retractor; 1 large entropium forcep, Desmarre's; 1 Knapp's needle holder; 1 light fixation forcep, with catch; 1 straight strabismus forcep, serrated jaws; 1 cilia forcep; 1 curved iris forcep, serrated; 1 curved iris scissors; 1 heavy curved strabismus scissors; 1 plain strabismus hook; 1 strabismus hook, with eye; 1 scalpel, 1 rubber lens scoop; 1 Dix' spud; 1 Weber's lachrymal knife; 1 angular keratome, medium; 1 Graefe's cataract knife, 1 lens scoop and cystotome; 1 Tyrrell's small blunt hook; 1 plain discision needle; 1 Bowman's stop needle; 1 set Bowman's probes; 1 dozen needles, assorted; 1 card silk. In polished wood case, with metal racks\$31 50

**Fig. 3013. TRUAX, GREENE & CO'S IRIS AND STRABISMUS SET.**

Containing: 1 scalpel; 1 canalicula knife, curved; 1 Graefe's cataract knife; 1 strabismus hook; 1 scoop and cystotome; 1 fixation forcep; 1 angular iris forcep; 1 curved scissors; 1 Graefe's speculum; 1 set Bowman's probes. Silk and needles, all in a small, all metal case.....\$15 00



EYE CASES.

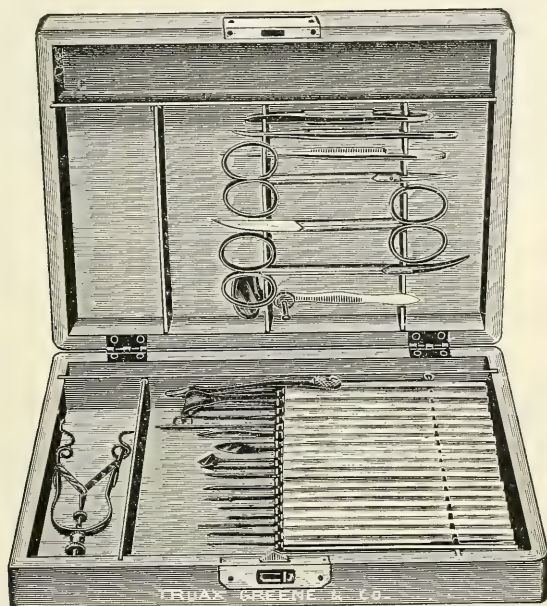


Fig. 3014. DR. J. E. HARPER'S EYE CASE, No. 3.

Containing: 1 Noyes' steel speculum; 1 Desmarre's retractor; 1 large entropium forcep, Desmarre's; 1 light fixation forcep, with catch; 1 straight strabismus forcep, serrated jaws; 1 cilia forcep; 1 curved iris forcep, serrated; 1 curved iris scissors; 1 heavy curved strabismus scissors; 1 plain strabismus hook; 1 strabismus hook, with eye; 1 scalpel; 1 rubber lens scoop; 1 Dix' spud; 1 Weber's lachrymal knife; 1 angular keratome, medium; 1 lens scoop and cystotome; 1 Tyrrell's small blunt hook; 1 plain discision needle; 1 Bowman's stop needle; 1 set Bowman's probes; 1 dozen needles, assorted; 1 card silk; 1 Agnew's canalicula knife; 1 Desmarre's paracentesis needle; 1 iris knife, with stop; 1 straight iris scissors; 1 Knapp's needle holder; 1 medium Graefe's cataract knife; 1 large Graefe's cataract knife; 1 Agnew's tattooing needle. All in a neat case....\$38 00

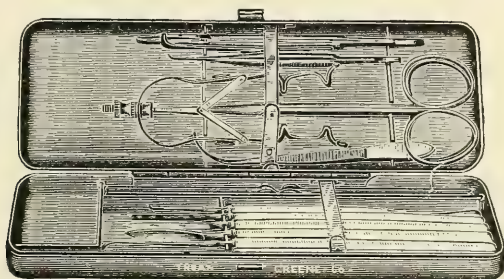


Fig. 3015. TRUAX, GREENE & CO'S EYE CASE, No. 2.

Containing: 1 Scalpel; 1 Graefe's Cataract knife; 1 Noyes' canalicula knife; 1 shell spatula; 1 scoop and cystotome; 1 fixation forcep with catch; 1 curved iris forcep; 1 Noyes' eye speculum; 1 curved strabismus scissors; 1 curved iris scissors; 1 curved strabismus forcep; 1 set Bowman's probes; 1 strabismus hook; needles and silk. All in a small, all metal case....\$18 50



ARTIFICIAL EYES

FROM THE

Finest French and German Manufacturers.



1



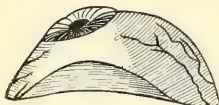
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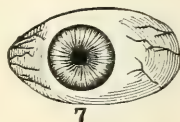


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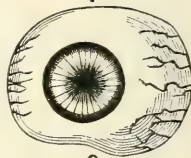
We have recently completed arrangements for supplying our patrons with a very superior grade of artificial eyes, that, for lifelike colors, brilliancy of expression and accuracy of form, are excelled by none. We keep a stock constantly on hand that is sufficiently large to admit of our sending our customers quite a number from which to make selections for their patients. It is only necessary to state the color, whether for right or left eye, the size as near as can be approximated, and the shape as shown by the figures on this page.

SPECIAL EYES MADE TO ORDER.

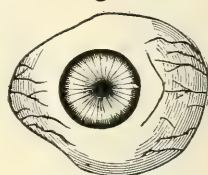
While we can fit the great majority of cases from our stock, yet Physicians and Oculists will occasionally meet with patients that, either from peculiarity of shape or color, require an eye made to order. To fill this demand we have arrangements with one of the finest foreign workmen in this country, and all special orders of this class will be promptly executed. In cases of this kind we send two assortments, one from which to select the color and the other from which to get the shape. When returning them to us, carefully mark the ones selected, which will enable us to obtain a perfect fit. All express charges on eyes, both to and from Chicago, must be paid by purchaser.



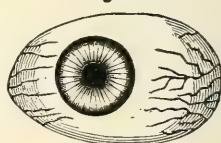
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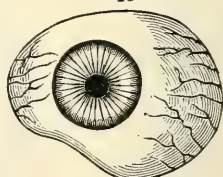
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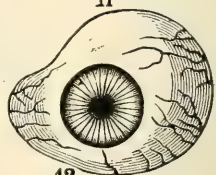
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10



11



12

Price to patients.....each, \$10 00



DIRECTIONS FOR THE INTRODUCTION OF AN ARTIFICIAL EYE.

After washing the eye carefully in tepid water, raise the upper eyelid with the thumb of the left hand. Hold the eye by its long diameter between the thumb and the index finger of the right hand, with the point or short white side turned toward the nose. Press its upper edge gently into the orbit or socket, *i. e.*, the superior palpebral cul-de-sac, and while holding the eye thus release the upper eyelid. Now, with the thumb of the right hand, draw the lower eyelid down, at the same time have the index finger of the same hand gently pressing the eye which should then slide into the orbit without force.

TO EXTRACT AN ARTIFICIAL EYE.

This is done by an opposite procedure. Gently draw down the lower eyelid with the thumb of the left hand, then slightly raise the eye with the index finger of the same hand. Take an ordinary house pin by its point between the thumb and index finger of the right hand, slide the head of the pin in and along the lower surface of the eye, *i. e.*, below the iris, until it slips behind the lower edge; lift the index finger off the eye and a little traction should now withdraw it.

Great care should be observed so that the eye cannot fall to the floor. It is advisable to use a towel held under the patient's chin during extraction. If the patient extract the eye, he should lean his face over a soft cushion, or the like, for the reason that if it should slip out of his fingers it may not be broken in the fall.

The artificial eye is withdrawn on going to bed; immediately upon being withdrawn it should be placed in water to cleanse it of the mucus which may be adherent to it.

Both before putting in the artificial eye and after withdrawing it, the patient should bathe the orbit with water, tepid or cold. It is recommended to wash the artificial eye both immediately before insertion and after withdrawal.

DIRECTIONS FOR ORDERING EYES.

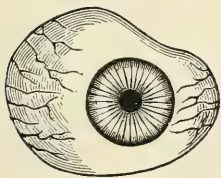
State if right or left is required and if any of the stump remains.

Age of patient.

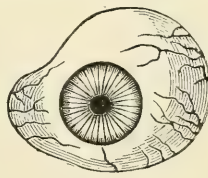
Color of eye, *i. e.*, color of iris.

If orbit be abnormal give description of same.

Is it considered that "small," "medium" or "large" size eye is required?



A Right Eye.



A Left Eye.

The object of the notch or depression on the top of an artificial eye, is that it shall escape interference with the superior oblique muscle in cases where this muscle still retains its insertion into the sclerotica.



EYE INSTRUMENTS.



Fig. 3025. Stilling's Canalicula Knife, \$1.10.
See page 1164.



Fig. 3027. Bowman's Canalicula Knife, \$1.10.
See page 1164.



Fig. 3029. Weber's Curved Canalicula Knife,
\$1.10. See page 1164.



Fig. 3031. Weber's Half Curved Canalicula
Knife, \$1.10. See page 1164.



Fig. 3033. Noyes-Stilling's Canalicula Knife,
\$1.20. See page 1164.



Fig. 3035. Noyes' Plain Canalicula Knife,
\$1.10. See page 1164.



Fig. 3037. Bowman's Blunt Point Canalicula
Knife, \$1.10. See page 1164.



Fig. 3039. Bowman's Sharp Point Canalicula
Knife, \$1.10. See page 1164.



Fig. 3041. Liebrich's Canalicula Knife, \$1.25.
See page 1164.



Fig. 3043. Weber's Straight Canalicula
Knife, Probe Point, \$1.10. See page 1164.



Fig. 3045. Noyes' Straight Canalicula Knife,
with Curved Probe Point, \$1.25. See p. 1164.



Fig. 3047. Agnew's Canalicula Knife, Pliable Shank,
with either Curved or Straight Probe Point, \$1.15.
See page 1164.

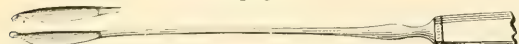


Fig. 3049. Noyes' Canalicula Knife, Pliable Shank, with
Straight or Curved Probe Point, \$1.25. See page 1164.



Fig. 3050. Schweigger's Canalicula Knife,
\$1.25. See page 1164.



Fig. 3052. Stilling's Canalicula Knife,
Curved Shank, \$1.10. See page 1164.

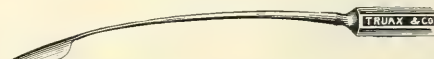


Fig. 3054. Noyes' Flexible Shank Curved
Canalicula Knife, \$1.30. See page 1164.



Fig. 3056. Thomas' Lachrymal Stricturatore,
\$1.25. See page 1169.

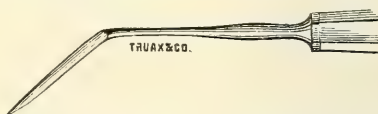


Fig. 3058. Angular Canalicula Knife, \$1.25.
See page 1164.



Fig. 3060. Graefe's Narrow Cataract Knife,
\$1.00. See page 1165.



Fig. 3062. Schweigger's Linear Knife, \$1.10.
See page 1165.



Fig. 3064. Knapp's Hollow Ground Cataract
Knife, \$1.50. See page 1165.



Fig. 3066. Noyes' Hollow Ground Cataract
Knife, \$1.25. See page 1165.



Fig. 3068. Graefe's Convex Cataract Knife,
\$1.15. See page 1165.



Fig. 3070. Baeder's
Cataract Knives,
Right or Left, \$1.10.
See page 1165.

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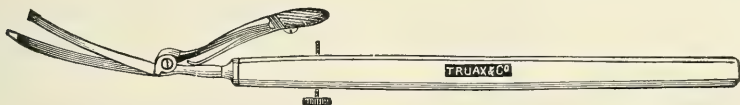


Fig. 3081. Jaeger's Bistoury Cache, \$6.00. See page 1161.

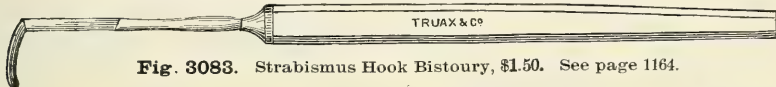


Fig. 3083. Strabismus Hook Bistoury, \$1.50. See page 1164.

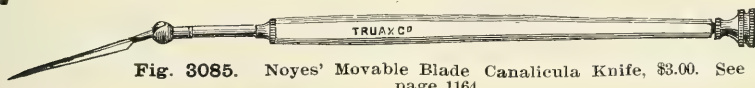


Fig. 3085. Noyes' Movable Blade Canalicula Knife, \$3.00. See page 1164.



Fig. 3086. Agnew's Cataract Knife, \$1.50. See page 1165.



Fig. 3087. Straight Secondary Knife, \$1.10. See page 1165.



Fig. 3088. Sichel's Cataract Knife, \$1.10. See page 1165.



Fig. 3090. Beers' Cataract Knife, \$1.10. See page 1165.

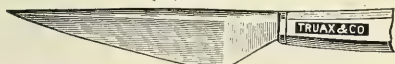


Fig. 3092. Zehender's Cataract Knife, \$1.10. See page 1165.



Fig. 3096. Schöeler's Neurotome, \$1.25. See page 1166.



Fig. 3098. Brazil's Enucleating Knife, \$1.50. See page 1165.



Fig. 3100. Camfield's Knife Hook for Strabismus and Pterygium, \$1.30. See page 1165.



Fig. 3102. Prince's Pterygium Divulser, \$1.25. See page 1162.

Used for separating the corneal portion of the Pterygium, after which the corneal surface is rendered free from adhering opaque materials by means of Desmarre's Scarifier.



Fig. 3089. Secondary Knife with Concave Edge, \$1.10. See page 1165.



Fig. 3091. Secondary Knife with Convex Edge, \$1.10. See page 1165.



Fig. 3094. Desmarre's Angular Secondary Knife, \$1.25. See page 1165.



Fig. 3095. Medium Iris Needle, \$1.10. See p. 1165.



Fig. 3097. Narrow Iris Needle, \$1.10. See p. 1165.



Fig. 3099. Small Iris Knife, \$1.10. See page 1165.



Fig. 3101. Large Iris Needle, \$1.10. See p. 1166.



Fig. 3103. Beers' Cataract Needle, \$1.00. See page 1165.



Fig. 3104. Discision Needle, \$1.00. See p. 1166.



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Fig. 3105. Medium Scalpel, \$1.10 See p. 1167.

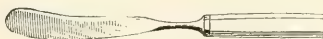
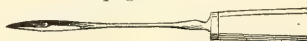
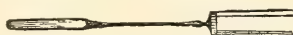
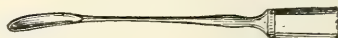
Fig. 3107. Desmarre's Scarificator, \$1.10.
See page 1167.Fig. 3108. Graefe's Scarificator, \$1.10. See
page 1167.Fig. 3109. Jaeger's Straight Keratome, \$1.10.
See page 1164.Fig. 3111. Jaeger's Angular Keratome, \$1.10
See page 1164.Fig. 3113. Hayes' Knife Needle, \$1.10. See
page 1165.Fig. 3114. Iris Knife with stop, \$1.25 See
page 1165.Fig. 3115. Straight Edge Iris Knife, \$1.10.
See page 1165.Fig. 3117. Double Edged Iris Knife, \$1.10
See page 1165.Fig. 3119. Angular Bistoury for enlarging
the section, \$1.10. See page 1161.Fig. 3121. Noyes' Straight Cataract Knife
for enlarging the section, \$1.10.
See page 1165.Fig. 3123. Hebra's Meibronian Curette, \$1.25.
See page 1161.Fig. 3125. Meyhoefer's Meibronian Curette,
\$1.25. See page 1161.Fig. 3135. Wecker's Steel Sharp Edge Scoop,
\$1.30. See page 1168.

Fig. 3137. Daviel's Curette, \$1.00. See p. 1161.

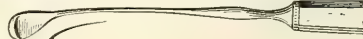
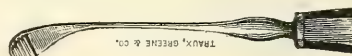
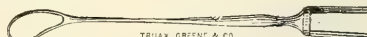
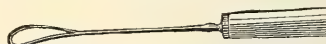
Fig. 3139. Critchett's Concave Lens Scoop,
\$1.10. See page 1168.Fig. 3141. Critchett's Flat Lens Scoop, \$1.10.
See page 1168.Fig. 3143. Critchett's Serrated Scoop. \$1.15.
See page 1168.Fig. 3145. Waldeau's Scoop, Silver, \$1.60.
See page 1168.

Fig. 3147. Knapp's Silver Scoop, \$1.50. S.p. 1168

Fig. 3149. Levis' Fenestrated Steel Scoop.
\$1.25. See page 1168.Fig. 3151. Fenestrated Lens Scoop, \$1.10.
See page 1168.Fig. 3153. Hollow Scoop for Soft Cataracts.
\$1.50. See page 1168.Fig. 3155. Noyes' Toothed Scoop, Steel, \$1.70.
See page 1168.Fig. 3157. Noyes' Lens Spoon, \$1.25. See
page 1158.Fig. 3159. Knapp's Stop Iris Needle, \$1.10
See page 1166.



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Fig. 3161. Small Cataract Needle, \$1.00. See page 1168.



Fig. 3163. Bowman's Stop Needle, \$1.00. See page 1165.



Fig. 3166. Plain Iris Needle, with stop, \$1.10. See page 1166.



Fig. 3170. Plain Knife Needle, \$1.10. See page 1166.



Fig. 3172. Walton's Grooved Needle, \$1.25. See page 1166.



Fig. 3176. Couching Needle, \$1.00. See page 1166.



Fig. 3178. Desmarre's Paracentesis Trocar, \$1.25. See page 1170.



Fig. 3180. Desmarre's Broad Paracentesis Needle, \$1.25. See page 1166.

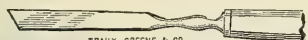


Fig. 3182. Daviel's Spatula, German Silver, 90c. See page 1169.



Fig. 3184. Althoff's Steel Spatula, \$1.00. See page 1169.



Fig. 3186. Plain Spatula, Rubber, Shell, or German Silver. See page 1169.



Fig. 3187. Himley's Needle, for Sutures, \$1.25. See page 1166.



Fig. 3200. Agnew's Tattooing Needle, \$1.50. See page 1166.



Fig. 3202. Dix' Spud, 90c. See page 1169.



Fig. 3203. Strabismus Hook, 90c. See page 1164.

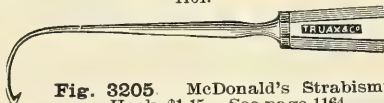


Fig. 3205. McDonald's Strabismus Hook, \$1.15. See page 1164.

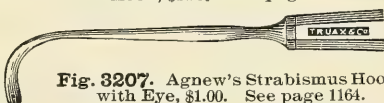


Fig. 3207. Agnew's Strabismus Hook, with Eye, \$1.00. See page 1164.



Fig. 3209. Knapp's Foreign Body Hook, \$1.30. See page 1164.



Fig. 3211. Graefe's Blunt Hook, \$1.10. See page 1163.

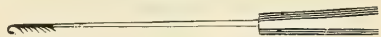


Fig. 3213. Noyes' Barbed Hook, \$1.10. See page 1164.



Fig. 3215. Graefe's Tractor, \$1.10. See page 1170.

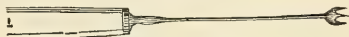


Fig. 3217. Three-Point Ophthalmostate, \$1.10. See page 1166.



Fig. 3219. Noyes' Ophthalmostate, \$1.50. See page 1166.



Fig. 3221. Pamard's Pique, \$1.15. See page 1167.



Fig. 3223. Hard Rubber or Shell Lens Scoop, 60c. to \$1.15. See page 1168.



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Fig. 3224. Graefe's Cystotome, right, \$1.10.
See page 1161.



Fig. 3224. Graefe's Cystotome, left, \$1.10.
See page 1161.



Fig. 3225. Graefe's Cystotome, \$1.10. See
page 1161.



Fig. 3227. Knapp's Cystotome, \$1.10. See
page 1161.



Fig. 3228. Weber's Capsule Hook, right, \$1.10.
See page 1163.



Fig. 3228. Weber's Capsule Hook, left, \$1.10.
See page 1163.



Fig. 3229. Tyrrell's Sharp Hook, 90c. See
page 1164.



Fig. 3231. Tyrrell's Blunt Hook, 90c. See
page 1164.



Fig. 3233. Double Fixation Hook, \$1.10.
See page 1163.



Fig. 3235. Graefe's Lens Scoop, \$1.25. See
page 1168.



Fig. 3237. Lizardi's Hooked Needle, \$1.10.
See page 1166.



Fig. 3239. Critchet's Hooked Needle, \$1.00.
See page 1166.



Fig. 3344. Prince's Advancement Needle,
\$1.85. See page 1165.



Fig. 3245. Stevens' Tenotomy Hook, \$1.10.
See page 1164.



Fig. 3247. Stevens' Traction Hook, \$1.50.
See page 1164.



Fig. 3249. Stevens' Traction Hook, (anterior
view), \$1.50. See page 1164.



Fig. 3250. Prince's Eyelid Hook, \$1.70. See
page 1164. Used to retract the upper lid
when it is desired to avoid the use of
a speculum.



Fig. 3252. Stevens' Eyelid Retractor, \$1.25.
See page 1167.



Fig. 3254. Desmarre's Retractor, \$1.10. See
page 1167.



Fig. 3256. Wecker's Enucleating Hook, \$1.75.
See page 1164.



Fig. 3258. Wells' Enucleating Hook, \$2.00.
See page 1164.



Fig. 3260. Jointed Retractors, \$1.30. See
page 1167.



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Fig. 3320. Girard Teulon's Canalicula Knife, \$5.00. See page 1164.



Fig. 3323. Wecker's Double Strabismus Hook, for advancing the Muscle, \$3.00. See page 1164.

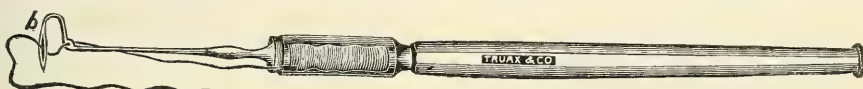


Fig. 3324. Prince's Spool Eye Needle, \$3.40. See page 1166.
Used in Operations on the Conjunctiva.



Fig. 3325. Pocket Spud and Needle, slide, \$1.75. See page 1169.



Fig. 3333. Pocket Spud and Needle, Metal Handle, \$1.60. See page 1169.



Fig. 3338. Cystotome and Scoop, \$1.75. See page 1161.

Fig. 3337. Truax' Spud and Ear Spoon, 75c. See page 1169.

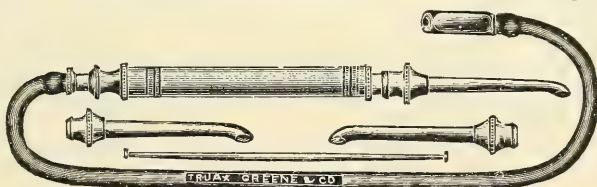


Fig. 3339. Teal's Soft Cataract Instrument, in case, \$3.75. See page 1161.

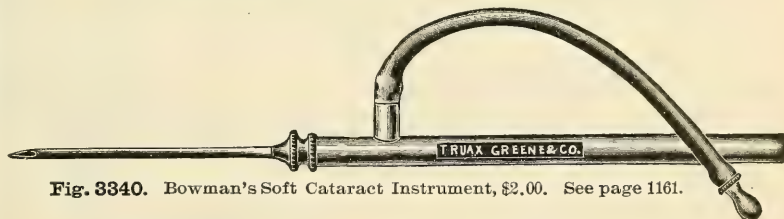


Fig. 3340. Bowman's Soft Cataract Instrument, \$2.00. See page 1161.

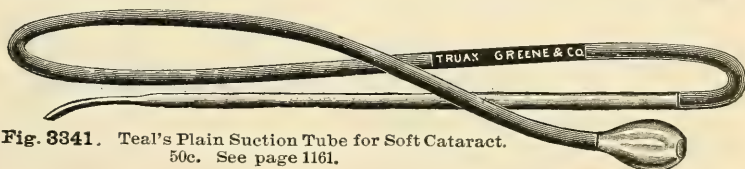


Fig. 3341. Teal's Plain Suction Tube for Soft Cataract.
50c. See page 1161.



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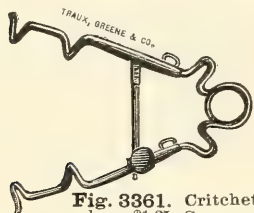


Fig. 3361. Critchet's Speculum, \$1.35. See page 1169.

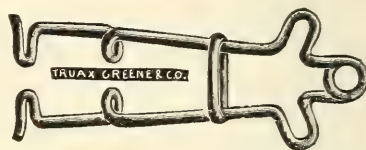


Fig. 3364. Noyes' Plain Speculum, 75c. See page 1169.

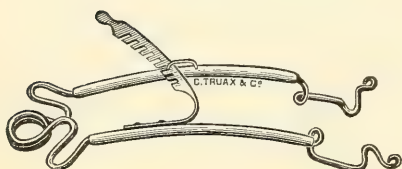


Fig. 3367. Schweiger's Speculum, \$2.00. See page, 1169.

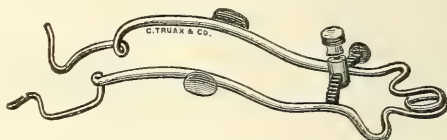


Fig. 3369. Graefe's Speculum, \$1.25. See p. 1169.

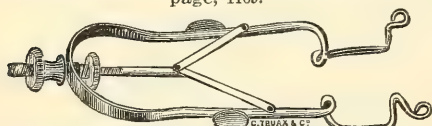


Fig. 3371. Noyes' Speculum, \$1.50. See p. 1169.

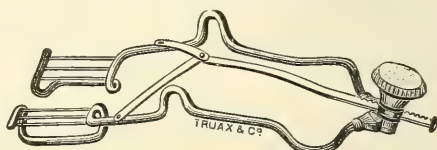


Fig. 3373. Pana's Speculum, \$4.00. See p. 1169.

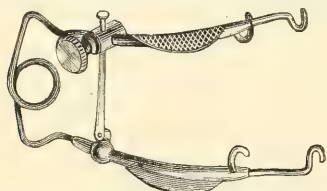


Fig. 3375. Landolt's Speculum, R. and L., each \$1.50. See page 1169.

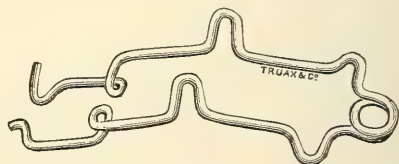


Fig. 3377. Plain Speculum, 40c. See p. 1169.

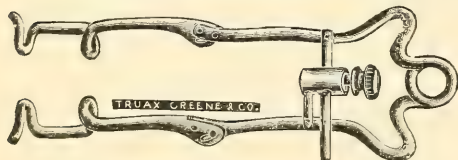


Fig. 3380. Galezowski's Jointed Speculum, \$2.50. See page 1169.

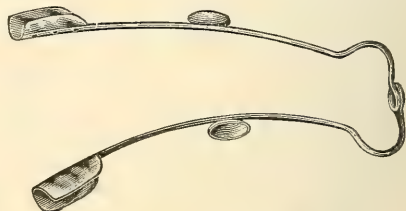


Fig. 3379. Stevens' Speculum, \$1.00. See p. 1169.

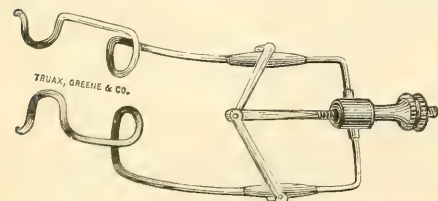


Fig. 3381. Galante's Speculum, \$1.75. See page 1169.

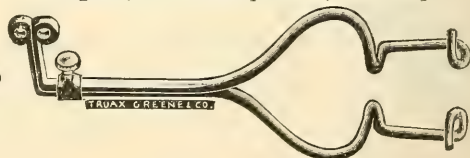


Fig. 3383. Liebold's Speculum, \$1.75. See page 1169.

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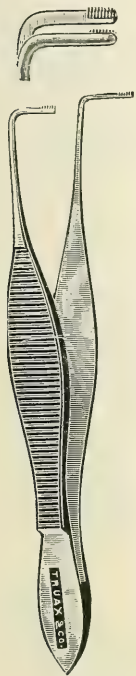


Fig. 3415. Forster's Iris Forcep, \$1.25. See page 1163.



Fig. 3421. Fixation and Tumor Forcep, \$1.10. See page 1163.



Fig. 3400. Straight Iris Forcep, 90c. See page 1163.



Fig. 3401. Curved Iris Forcep, 90c. See page 1163.



Fig. 3403. Straight Dressing Forcep, \$1.00. See page 1162.

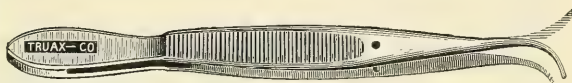


Fig. 3405. Curved Dressing Forcep, \$1.10. See page 1162.



Fig. 3419. Curved Fixation Forcep, \$1.10. See page 1162.

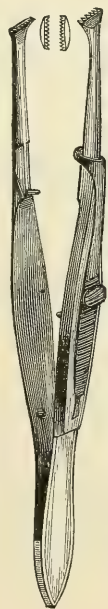


Fig. 3417. Carron de Villard's Fixation Forcep, \$2.25. See page 1162.



Fig. 3407. Angular Iris Forcep, \$1.10. See page 1163.



Fig. 3409. Straight Strabismus Forcep, \$1.00. See page 1163.

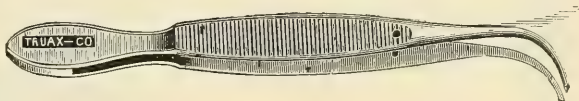


Fig. 3411. Curved Strabismus Forcep, \$1.10. See page 1163.



Fig. 3413. Graefe's Fixation Forcep, \$1.50. See page 1163.

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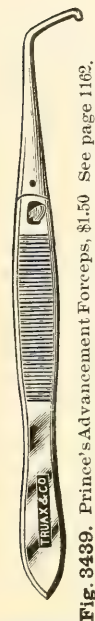


Fig. 3439. Prince's Advancement Forceps, \$1.50. See page 1162.

Used to hold the tendon of the rectus muscle, while it is separated from the sclera, and secured by the suture, one end of which is subsequently introduced into the dense episcleral tissue two m. m. from the limbus, forming the anterior fixation point or pulley.

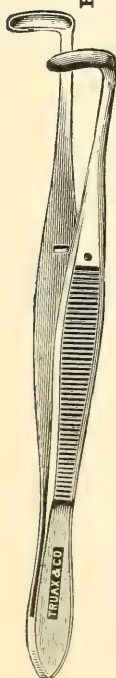


Fig. 3435. Noyes' Trachoma Forcep, \$1.30. See page 1163.



Fig. 3437. Henry's Depilating Forcep, \$1.75. See page 1162.



Fig. 3422. Stevens' Fixation Forcep, \$1.75. See page 1163

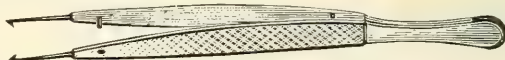


Fig. 3423. Stevens Tendon Forcep, straight, \$1.25. See page 1163.



Fig. 3424. Stevens' Tendon Forcep, curved, \$1.25. See page 1163.

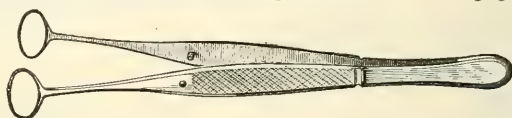


Fig. 3441. Prince's Trachoma Forcep, \$1.90. See page 1163.
Used to express the follicles; the conjunctiva having been previously scarified to facilitate the escape.



Fig. 3426. Knapp's Trachoma Forcep, \$2.25. See page 1163.

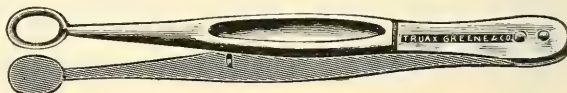


Fig. 3427. Ayer's Chalazion Forcep, \$2.00. See page 1162.



Fig. 3428. Self-grasping Iris Forcep, \$1.50.

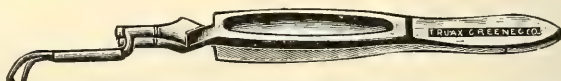


Fig. 3429. Liebrich's Rotating Iris Forcep, latest, \$4.40. See p. 1163.



Fig. 3430. Liebrich's Original Iris Forcep, \$3.00. See page 1163.



Fig. 3431. Prince's Fixation Forcep, \$1.50. See page 1163.



Fig. 3433. LeFort's Fixation Forcep, \$2.00. See page 1163.

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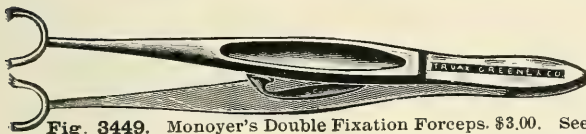


Fig. 3449. Monoyer's Double Fixation Forceps. \$3.00. See page 1163

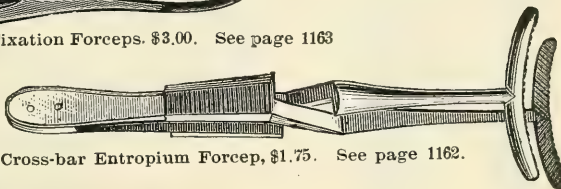


Fig. 3450. Cross-bar Entropium Forcep, \$1.75. See page 1162.

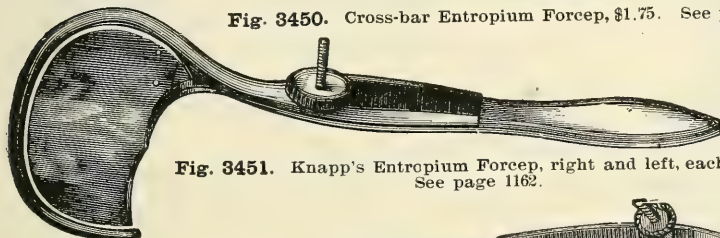


Fig. 3451. Knapp's Entropium Forcep, right and left, each, \$2.50.
See page 1162.

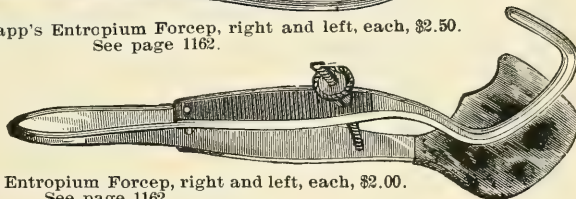


Fig. 3452. Snellen's Entropium Forcep, right and left, each, \$2.00.
See page 1162.

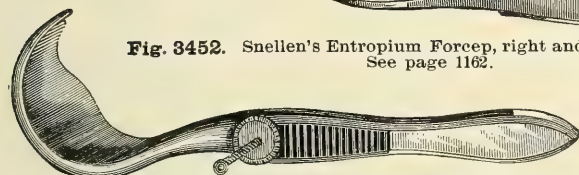


Fig. 3453. Laurence's Entropium Forcep, \$2.25. See page 1162.

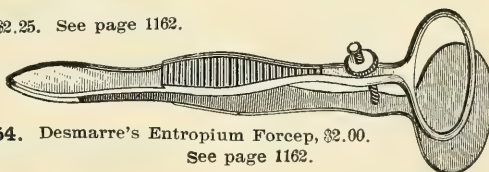


Fig. 3454. Desmarre's Entropium Forcep, \$2.00.
See page 1162.

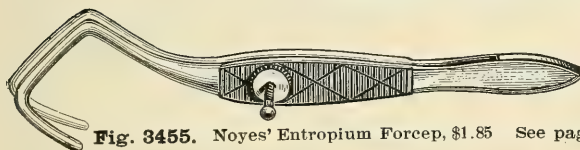


Fig. 3455. Noyes' Entropium Forcep, \$1.85 See page 1162.

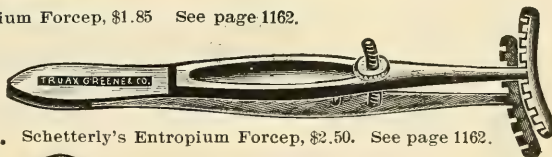


Fig. 3456. Schetterly's Entropium Forcep, \$2.50. See page 1162.

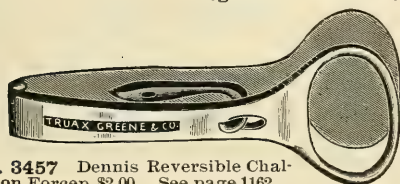


Fig. 3457 Dennis Reversible Chal-
azion Forcep, \$2.00. See page 1162.

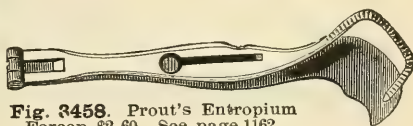


Fig. 3458. Prout's Entropium
Forcep, \$2.60. See page 1162.

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Fig. 3462. Bergh's Cilia Forcep, \$1.00
See page 1162.



Fig. 3463 Cilia Forceps, 60c. See page 1162.



Fig. 3461. Foreign Body Forceps, \$2.40. See page 1163.

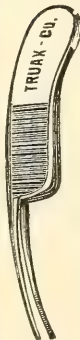


Fig. 3460. Fisher's Iris Forcep, 90c.
See page 1163.

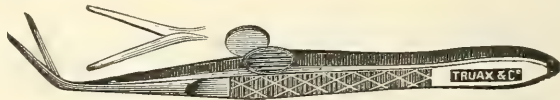


Fig. 3465. Wecker's Iridectomy Scissors, \$4.00. See page 1167.

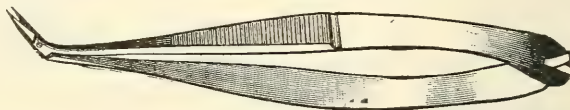


Fig. 3467. McCluer's Iris Scissors, \$4.50. See page 1168.

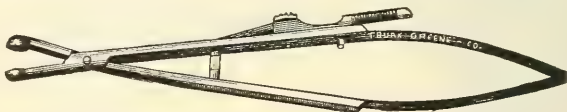


Fig. 3468. Prout's Needle Holder, \$2.60. See page 1163.

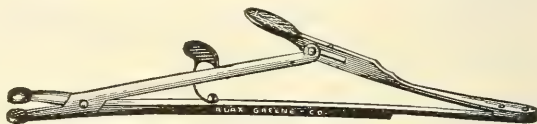


Fig. 3470. Sands' Needle Holder, \$3.00. See page 1163.



Fig. 3472. Whitney's Needle Holder, \$3.25. See page 1163.



Fig. 3474. Truax' Needle Holder, short, \$2.50. See page 1163.



Fig. 3476. Stevens' Needle Holder, \$3.00. See page 1163.



Fig. 3459. Noyes' Fixation Forcep, \$2.25.
See page 1163.



Fig. 3478. Knapp's Needle Holding Forcep, \$2.50. See page 1163.

Fig. 3482. Noyes' Delicate Iris Scissors, \$3.00 See page 1168.

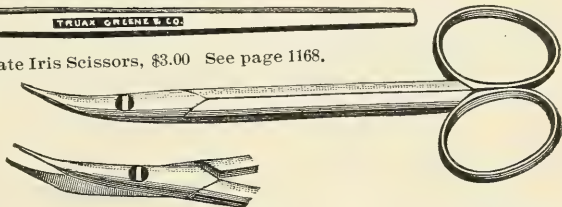


Fig. 3483. Stevens' Tendon Scissors, \$2.00. See page 1168.

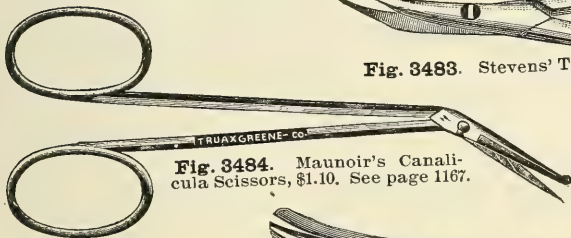


Fig. 3484. Maunoir's Canalicula Scissors, \$1.10. See page 1167.

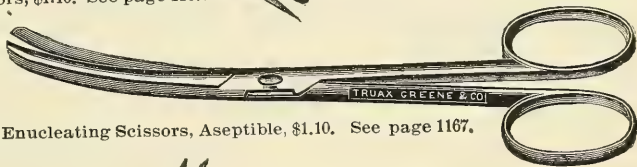


Fig. 3485. Enucleating Scissors, Aseptic, \$1.10. See page 1167.

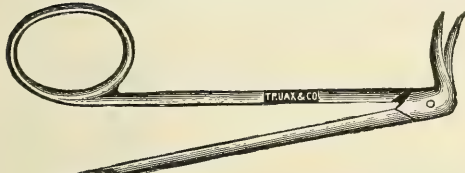


Fig. 3486. Chadwick's Pterygium Scissors, \$2.00. See page 1168.

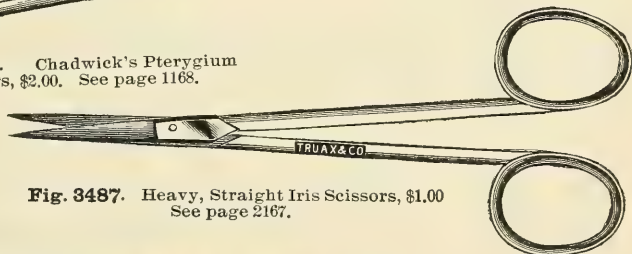


Fig. 3487. Heavy, Straight Iris Scissors, \$1.00
See page 2167.

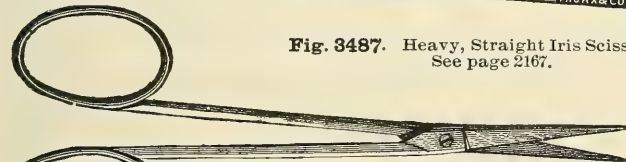


Fig. 3489. Light, Straight Iris Scissors, \$1.00. See page 1167.

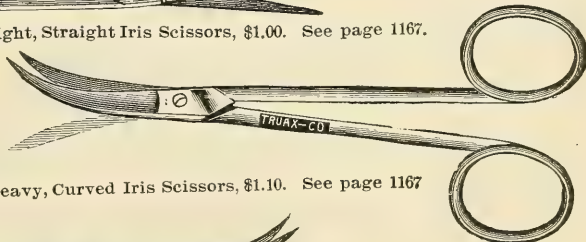


Fig. 3491. Heavy, Curved Iris Scissors, \$1.10. See page 1167

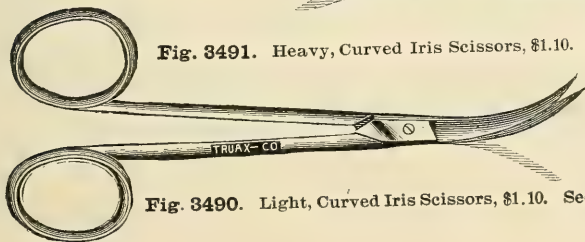


Fig. 3490. Light, Curved Iris Scissors, \$1.10. See page 1167.

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Fig. 3494. Straight Strabismus Scissors, both points probe, \$1.15. See page 1168.

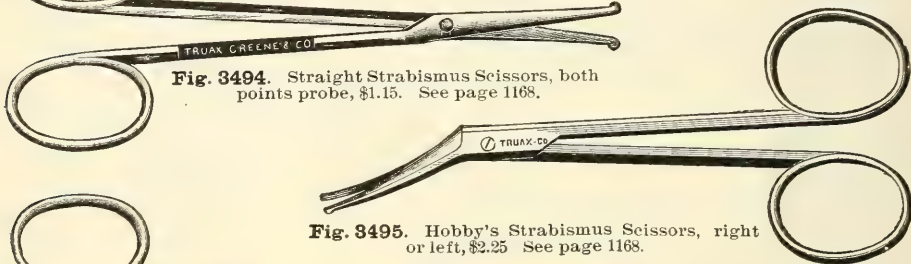


Fig. 3495. Hobby's Strabismus Scissors, right or left, \$2.25. See page 1168.

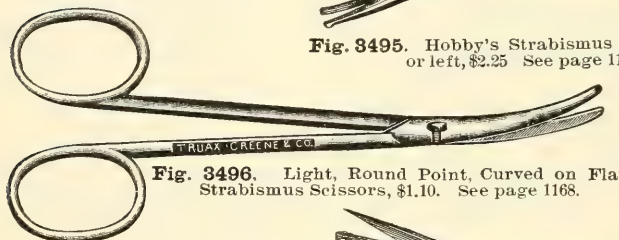


Fig. 3496. Light, Round Point, Curved on Flat Strabismus Scissors, \$1.10. See page 1168.

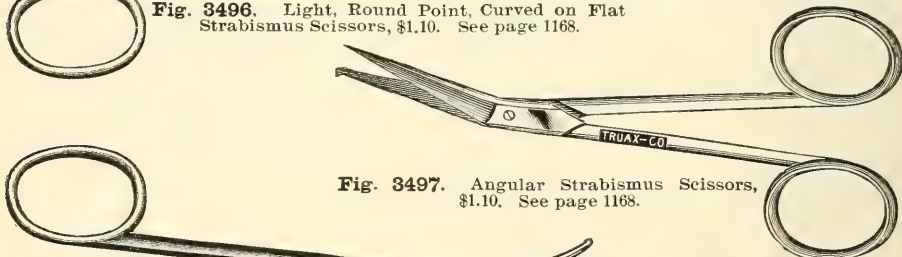


Fig. 3497. Angular Strabismus Scissors, \$1.10. See page 1168.

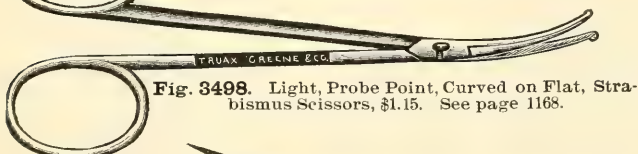


Fig. 3498. Light, Probe Point, Curved on Flat, Strabismus Scissors, \$1.15. See page 1168.

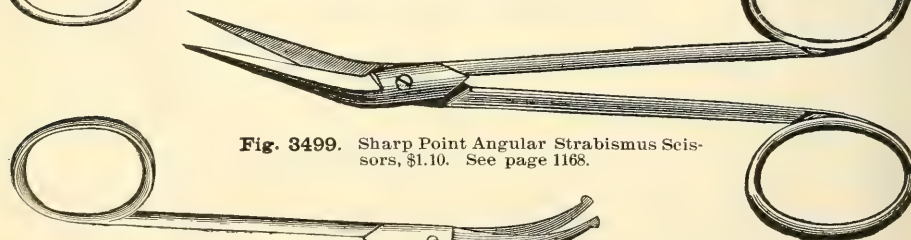


Fig. 3499. Sharp Point Angular Strabismus Scissors, \$1.10. See page 1168.

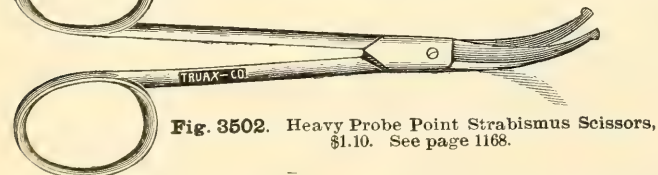


Fig. 3502. Heavy Probe Point Strabismus Scissors, \$1.10. See page 1168.

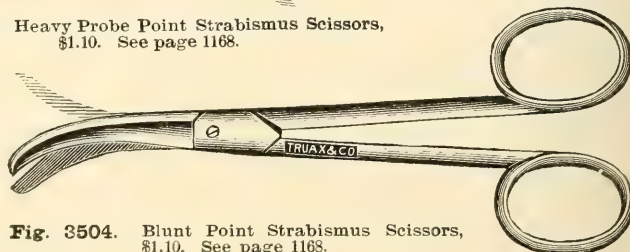


Fig. 3504. Blunt Point Strabismus Scissors, \$1.10. See page 1168.

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Fig. 3526. Silver Canula, 35c.



Fig. 3520. Prince's Perforated Styles, each 55c.

These are used in the treatment of lachrymal fistula and suppurative dochryocystel.

The corkscrew end facilitates their removal. They are now used by the author in the solid in place of perforated form, and of various sizes corresponding to Bowman's probes. They are of silver so that the curve may be modified to conform to individual requirements.



Fig. 3528. Silver Canula, 35c.

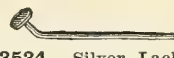


Fig. 3534. Silver Lachrymal Style, 35c.

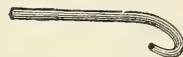


Fig. 3536. Silver Lachrymal Style, 25c.



Fig. 3530. Silver Canula, 35c.



Fig. 3538. Silver Lachrymal Style, 25c.



Fig. 3532. Silver Lachrymal Style, 25c.



Fig. 3522. Silver Canula, 35c.



Fig. 3540. Silver Lachrymal Style, 25c.



Fig. 3542. Weber's Graduated Dilator, 75c. See page 1162.



Fig. 3543. Williams' Silver Dilator, 75c. See page 1162.

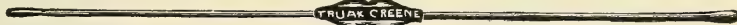


Fig. 3544. Williams' Silver Probes, set of 8, \$2.10. See page 1167.

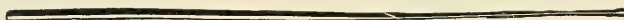


Fig. 3545. Bowman's Director, silver, 40c. See page 1162.

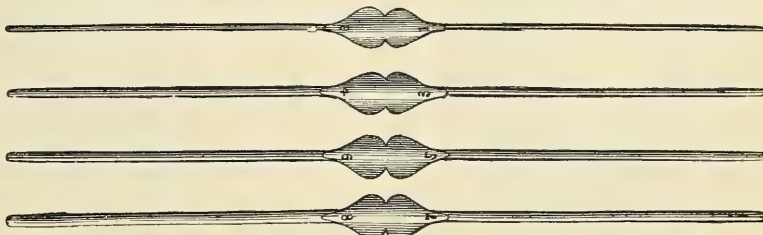


Fig. 3546. Bowman's Probes, silver, set of eight, \$2.10. See page 1167.



Fig. 3549. Anel's Probe, silver, 25c. See page 1167.

Fig. 3547. Spier's Lachrymal Catheter, 75c. See page 1161.



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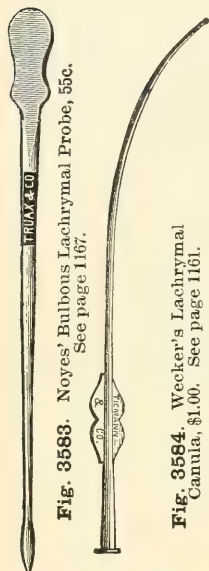


Fig. 3583. Noyes' Bulbous Lachrymal Probe, 55c. See page 1167.

Fig. 3584. Wecker's Lachrymal Canula, \$1.00. See page 1161.

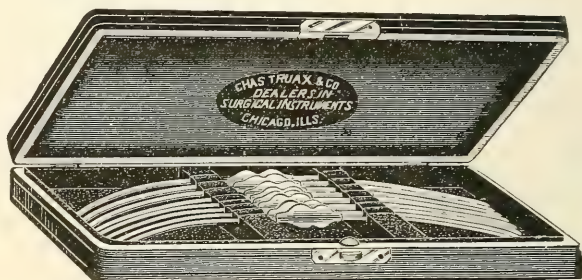


Fig. 3571. Theobolt's Set of 16 Probes, \$3.75. See page 1167.



Fig. 3586. McFarlan's Lachrymal Syringe, \$1.50. See page 1170.

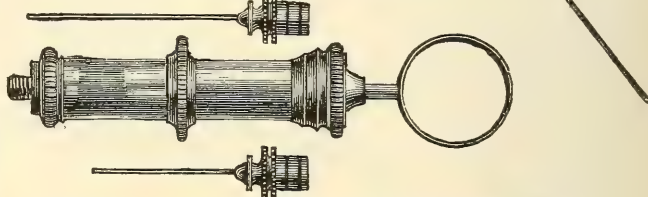


Fig. 3572. Agnew's Lachrymal Syringe, \$3.25. See page 1170.

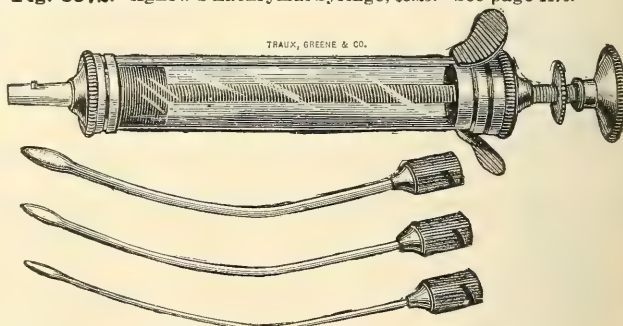


Fig. 3574. Tansley's Lachrymal Syringe, \$4.00. See page 1170.

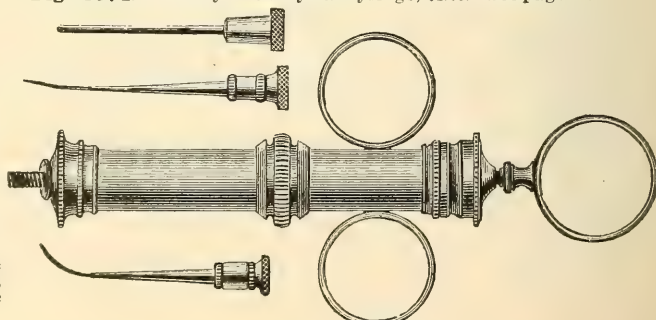


Fig. 3576. Anel's Lachrymal Syringe, \$1.75 to \$8.00. See page 1169.

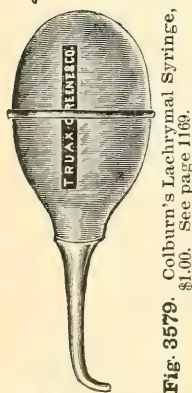


Fig. 3579. Colburn's Lachrymal Syringe, \$1.00. See page 1169.



Fig. 3588. Einhorn's Lachrymal Syringe, \$1.00. See page 1170.

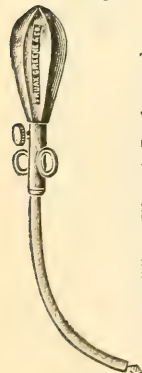


Fig. 3577. Wilmer's Lachrymal Drill, \$2.75. See page 1162.



Fig. 3578. Eye Cups or bottles, 25c. See page 1161.

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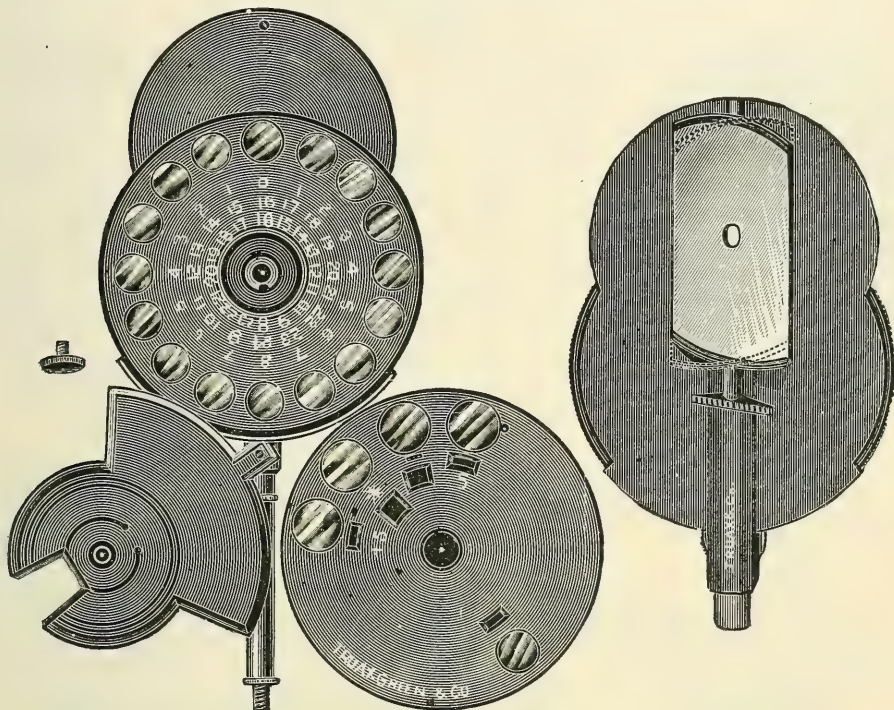


Fig. 3598. Loring's Ophthalmoscope, 15-Lens and Quadrant, with 3 rows of figures, showing at a glance the result of any possible combination. The instrument is of superior quality, \$13.50. See page 1166.

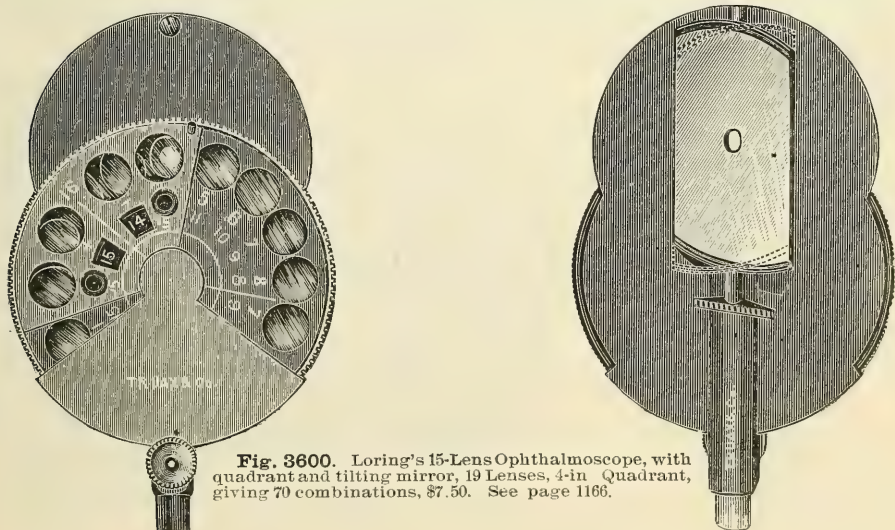


Fig. 3600. Loring's 15-Lens Ophthalmoscope, with quadrant and tilting mirror, 19 Lenses, 4-in. Quadrant, giving 70 combinations, \$7.50. See page 1166.

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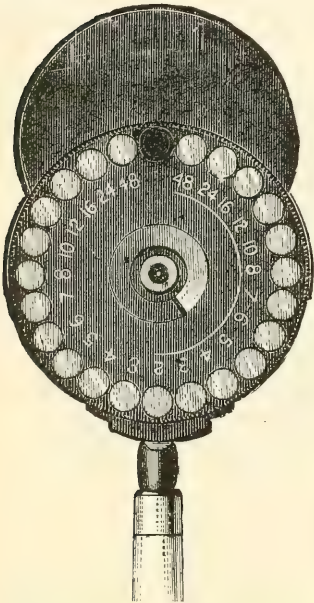


Fig. 3602. Knapp's 23-Lens Ophthalmoscope, \$10.00. See page 1166.

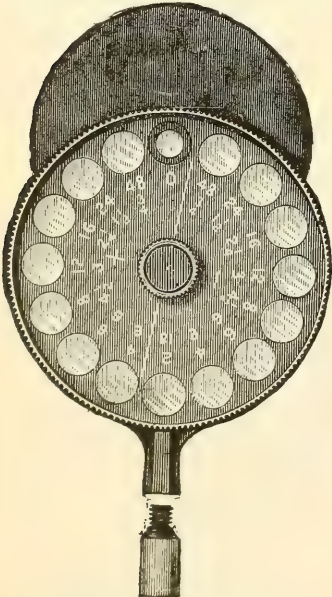


Fig. 3604. Loring's 15-Lens Ophthalmoscope, \$6.25. See page 1166.

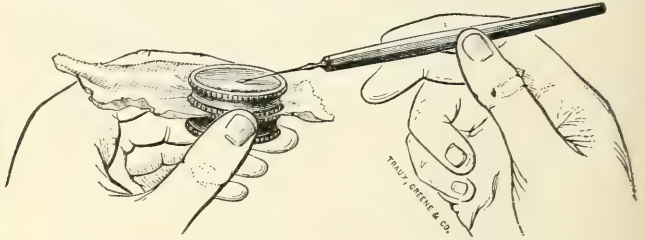


Fig. 3601. Test Drum for trying Edges and Points of Instruments, 50c. See page 1170.

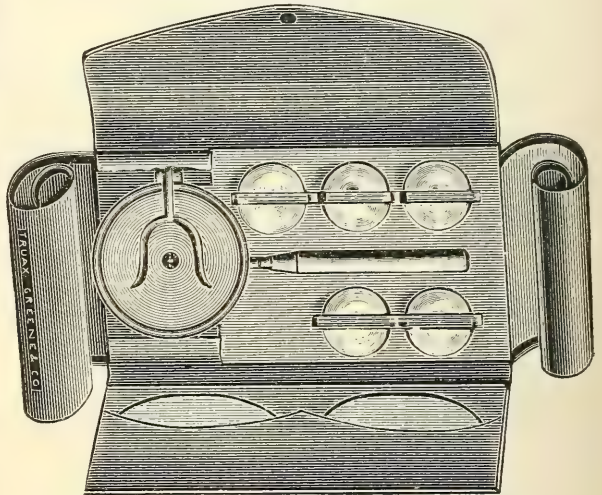


Fig. 3603. Liebrich's Ophthalmoscope. Extra Quality In Soft Leather case, \$3.50. See page 1166.

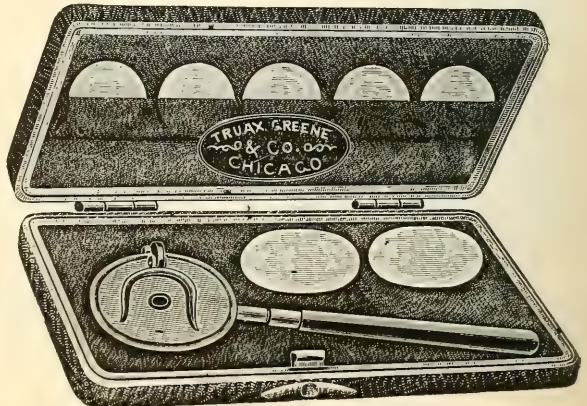


Fig. 3605. Liebrich's Ophthalmoscope, \$2.50. See page 1166.

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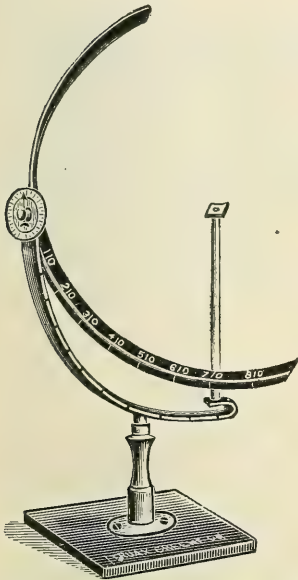


Fig. 3631. Schweiger's Large Perimeter, \$20.00. See page 1167.

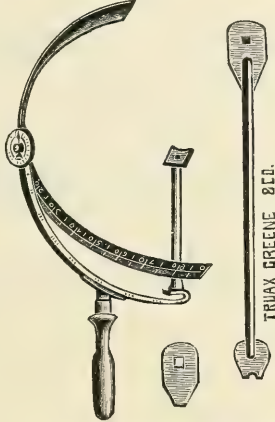


Fig. 3630. Schweiger's Small Perimeter, \$10.00. See page 1167.

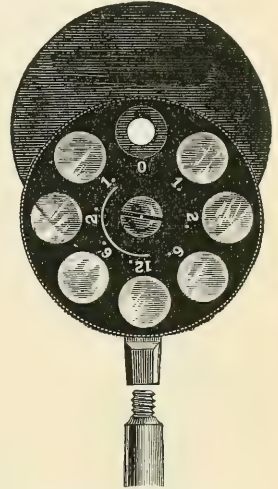


Fig. 3628. Loring's 7-Lens Ophthalmoscope, \$3.50. See page 1166.



Fig. 3633. Galezowski's Drop Bottle, 75c. See page 1162.



Fig. 3635. Ivory Strabismometer, \$1.50. See page 1169.

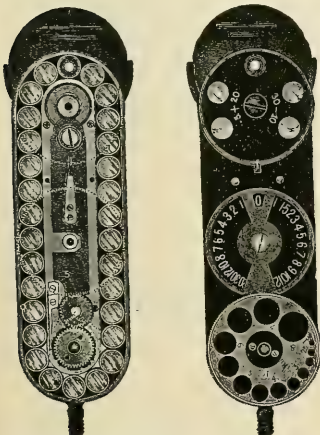


Fig. 3637. Morton's Ophthalmoscope, \$25.00. See page 1166.

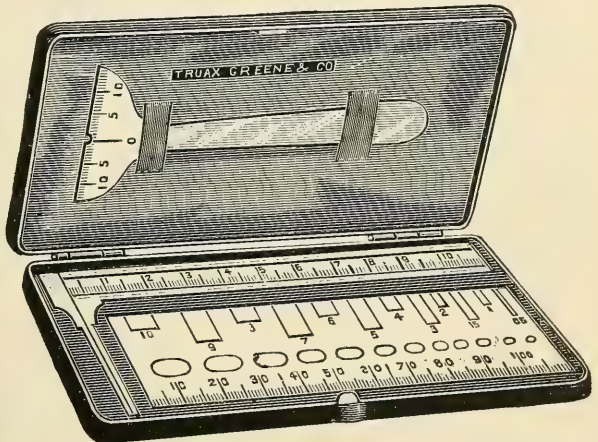


Fig. 3639. Price complete, \$7.50.

This set consists of three scales graduated in accordance with the metric system and contains the following: Strabismometer for measurement of squint version; Calipers for obtaining pupillary distance and other measurements for spectacle fitting; glass scale graduated in squares and circles from 0.5 to 10 millimeters for pupillary and iris measurements. The length of this scale is 11 centimeters and it is graduated into millimeters.

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Fig. 3649 Galezowski's Canalicula Dilator, \$1.90. See page 1161.



Fig. 3652. Prince's Cocaine Pipette, 55c. See page 1167. Used to introduce Cocaine into the Lachrymal tract.



Fig. 3653. Stop-Cock and Eye Douche, 50c. See page 1169.



Fig. 3655. Nitrate of Silver Pencils, 25c. See page 1167.



Fig. 3657. Alum and Blue Vitriol Pencils, 25c. See page 1167.



Fig. 3659. Heurteloup's Leech, \$3.50. See page 1165.

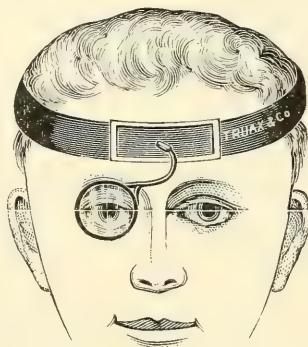


Fig. 3658. J. T. Wood's (Toledo) frontal lens to assist in making examinations for foreign bodies in the eye, \$2.00.



Fig. 3650. Placido's Keratroscope, \$4.00 See page 1161.

This instrument provides for a rapid method for the detection of astigmatism. Its circles are reflected in the cornea by holding the disc at a distance of ten inches from the eye of the patient. Distortion of the circles in the reflection indicates astigmatism.

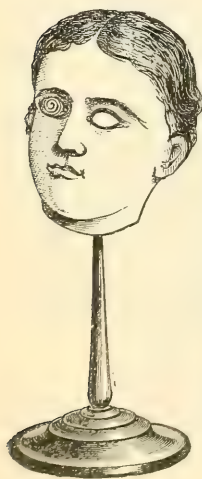


Fig. 3656. Ophthalmal-phantomes, \$7.00 to \$8.50 See page 1167. The Ophthalmal-phantome consists of a mask imitative of the face. The orbit of the phantome is mechanically arranged to grasp and hold the eye of an animal, and adjusted to artificially assimilate the condition of the natural eye under an operation. There is no invention better adapted to the education of the hand for operating on the eye.



Fig. 3651. Culbertson's Prismometer, \$21.00. See page 1167.

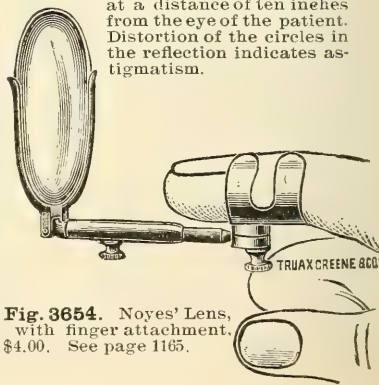


Fig. 3654. Noyes' Lens, with finger attachment, \$4.00. See page 1165.



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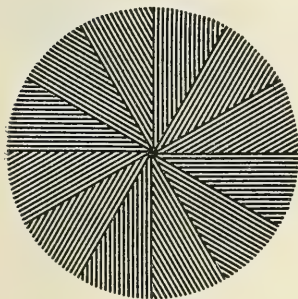


Fig. 3660.

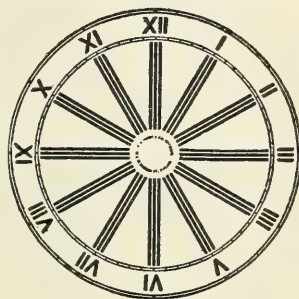


Fig. 6661.

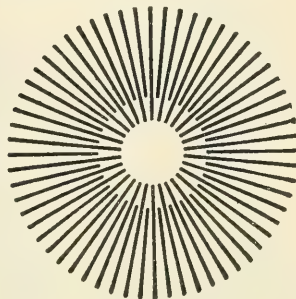


Fig. 3662.

Fig. 3660.	Astigmatic dial on circular card.....	\$0 25
Fig. 3661.	Astigmatic clock dial on heavy pasteboard.....	50
Fig. 3662.	Astigmatic dial on circular card.....	25

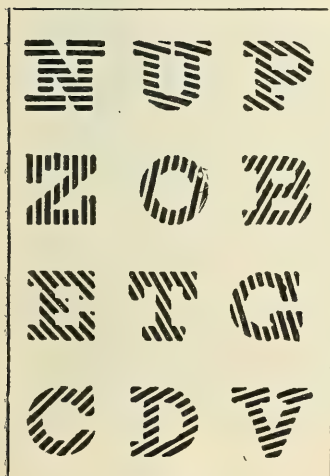


Fig. 3663



Fig. 3664.

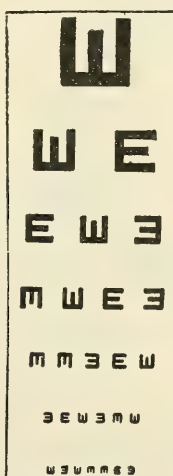


Fig. 3665.

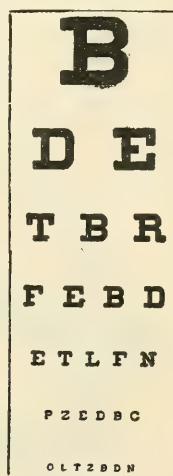


Fig. 3666.

Fig. 3663.	Dr. Pray's astigmatic letters.....	\$0 50
Fig. 3664.	Snellen's type, with astigmatic figure at top	25
	Same as above cut on linen, in three sections so as to be folded.....	35
Fig. 3665.	Snellen's illiterate distance test.....	25
Fig. 3666.	Snellen's letters distance test	25

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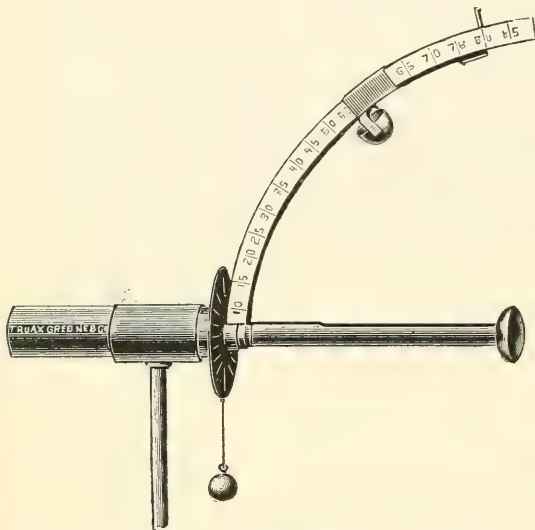


Fig. 3680. Badall's Perimeter, \$17.50. See page 1167.

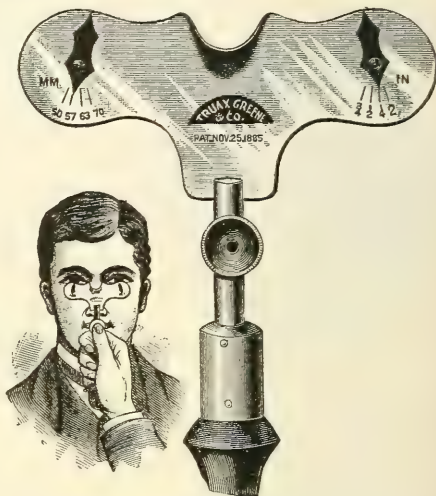


Fig. 3682. Patent Pupilometer, divided into millimeters and inches for the easy measurement of distances between centers of pupils. \$3.75.

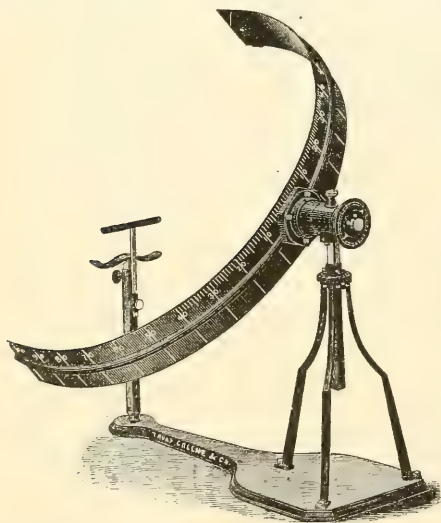


Fig. 3684. Landolt's Perimeter, \$30.00. See page 1167.

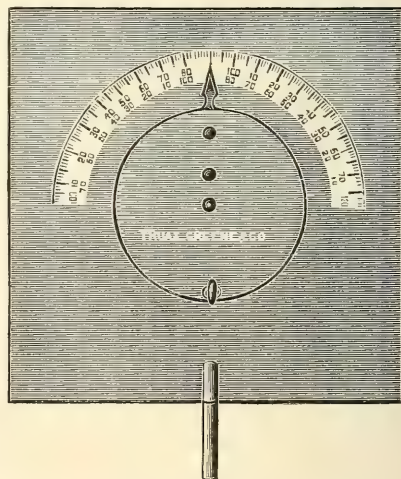


Fig. 3686. Hotz' Astigmometer, \$5.00. See page 1161.

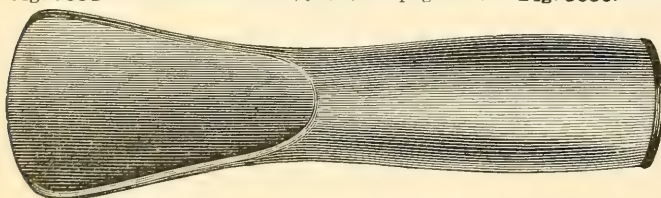


Fig. 3688. Jaeger's Lid Holder, 50c. to \$1.00. See page 1163.

Dr. Hotz' Astigmometer is a very simple and practical instrument for astigmatic tests. It reveals the presence of astigmatisms, and the direction of the corneal meridians, by the two small round perforations which, viewed at a distance of 15 to 20 feet, appear to the astigmatic eye drawn out oblong or crossed by a streak of light.

HAS TRUAX GREENE & CO.

EYE INSTRUMENTS.



Fig. 3690. Maddox' Muscle Test for testing insufficiency of recti muscles, 50c.

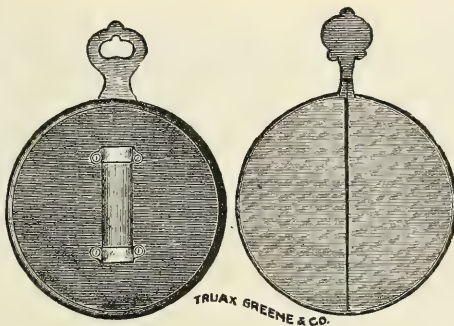


Fig. 3692. Maddox' Double Prism, \$1.50.



Fig. 3699.

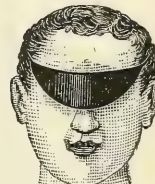


Fig. 3700. Single and double eye shades. See p. 1168.

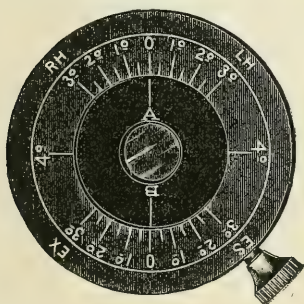
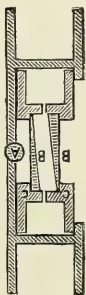


Fig. 3694. Prince's Phorometer, \$5.00.



PRINCE'S PHOROMETER.

The Phorometer of A. E. Prince, of Springfield, Ill., consists of a Maddox rod behind two revolving prisms, and a dial on which is indicated the degree of strain in each of the various forms of heterophoria.

It is used by oculists and neurologists to establish the presence or absence of equilibrium of the recti muscles.

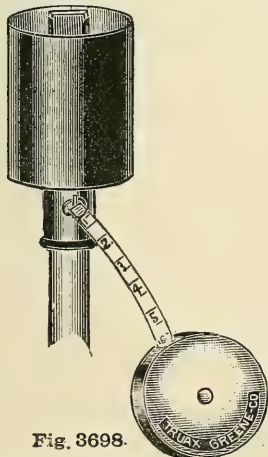


Fig. 3698.

Landolt's Ophthalmodynamometer to fit an ordinary candle, with steel tape measure, \$5.00. See page 1167.

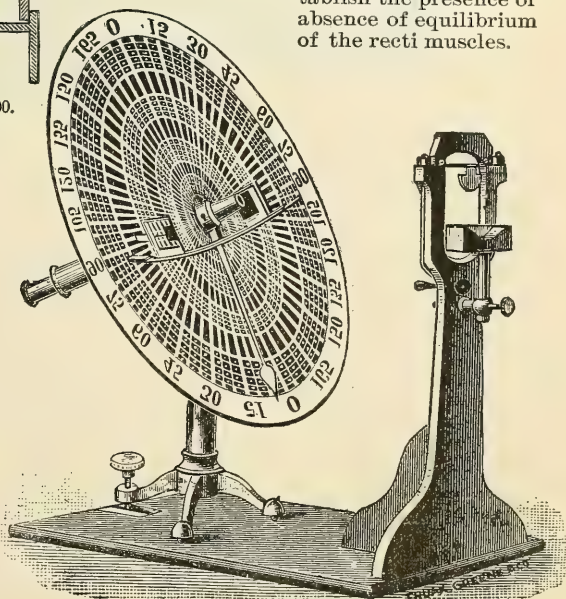


Fig. 3699. Javel and Schutz' Ophthalmometer \$85.00 See page 1167.



TRIAL CASES.

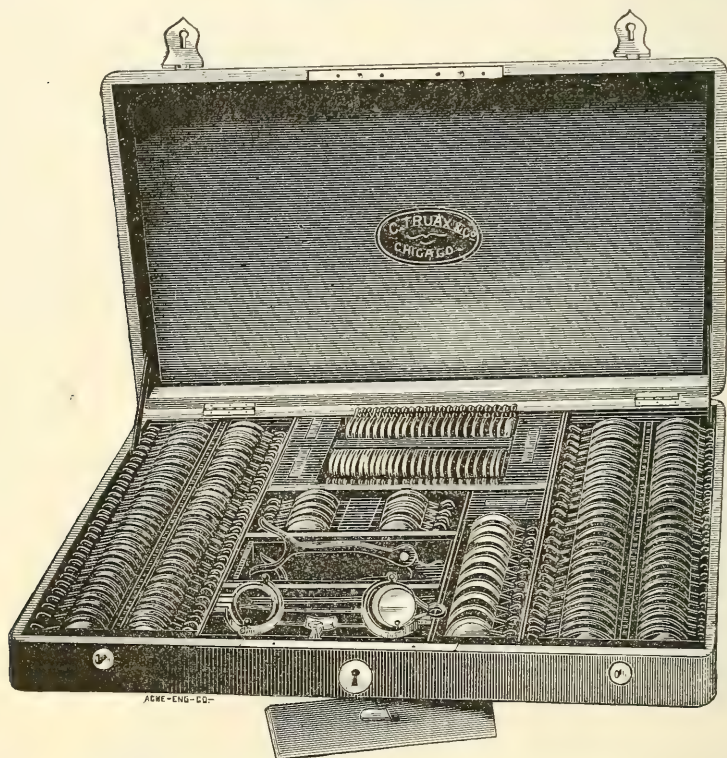


Fig. 3671. Nacet's Trial Case. (Genuine Imported.)

Nacet's complete trial case contains;

30 pairs spherical concave lenses, from 0.25 to 20 Dioptries.

30 " " convex " " 0.25 to 20 "

18 " cylindrical concave " " 0.25 to 6 "

18 " " convex " " 0.25 to 6 "

10 prisms from 2° to 20°

10 assorted discs.

Graduated trial frame with concentric action and adjustable for pupillary distance measurement, plain double cell trial frame; rims on all the lenses, white plating on the convex and gold plating on the concave. The whole in elegant lined leather covered case. \$90 00



TRIAL CASES.

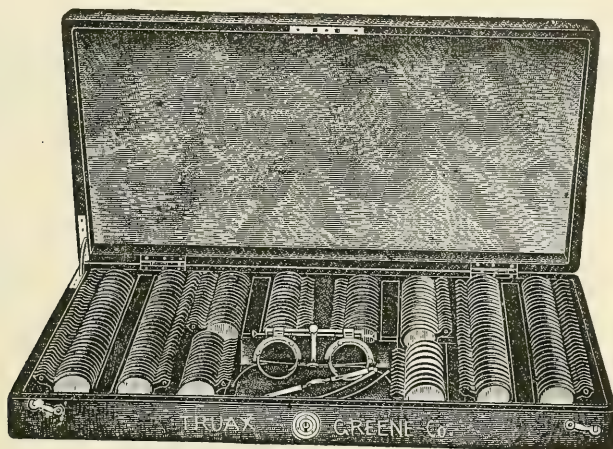


Fig. 3673. TRIAL CASE (COLUMBIAN).

CONTAINING:

32 Pairs Spherical, concave, Lenses from.....	0.25 to 20	Dioptries.
32 " " convex, " "	0.25 to 20	"
20 " Cylindrical, concave, " "	0.25 to 6.50	"
20 " " convex, " "	0.25 to 6.50	"

10 Prisms.

15 Assorted Discs.

Graduated Trial Frame with concentric action and adjustable for pupillary distance measurement.

Plain Trial Frame.

Rims on all the Lenses—white plating on the convex and gold plating on the concave.

The "Columbian" Trial Case is well adapted for the use of the general practitioner. A reference to the detail of its contents is sufficient to demonstrate its completeness. This is an outfit we can strongly recommend to our patrons—although the price quoted for this outfit is very low, the greatest care has been observed to insure the highest possible degree of accuracy and finish.

This Case we are making in large quantities as a "leader," hence we are in a position to make a "special" popular quotation in price.

The whole in velvet lined case.....\$55 00



EYE INSTRUMENTS.

“DEARBORN” TRIAL CASE.

CONTAINING:

- 24 Pairs Spherical, concave lenses, from.....0.25 to 13 Dioptries.
- 24 “ “ convex, “ “0.25 to 13 “
- 12 “ Cylindrical, concave, “ “0.25 to 4 “
- 12 “ “ convex, “ “0.25 to 4 “
- 6 Prisms from 1° to 16°.
- 8 Assorted Discs.

Graduated Trial Frame with concentric action and adjustable for pupillary distance measurement. Rims on all the lenses, white plating on the convex and gold plating on the concave.

The whole in velvet lined case.....\$50 00

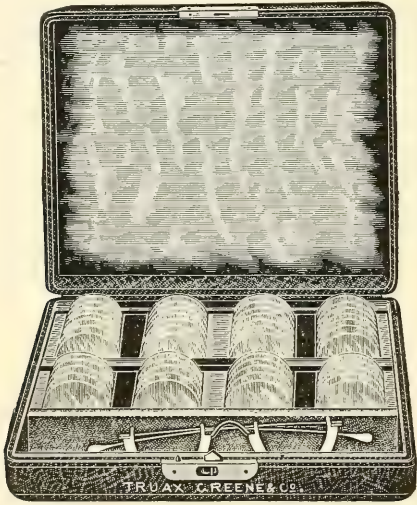


Fig. 3675. LORING'S TRIAL CASE.

CONTAINING:

- 7 Pairs Spherical, concave Lenses, from.....0.25 to 8 Dioptries.
- 7 “ “ convex “ “0.25 to 8 “
- 5 “ Cylindrical, concave “ “0.25 to 3 “
- 5 “ “ convex “ “0.25 to 3 “
- 1 Three-cell graduated trial frame.

By proper combinations 26 spherical, from 0.25 to 15 dioptries, and 18 cylindrica., from 0.25 to 6 dioptries may be obtained.

Price in velvet lined case.....\$14 00



TRIAL FRAMES.

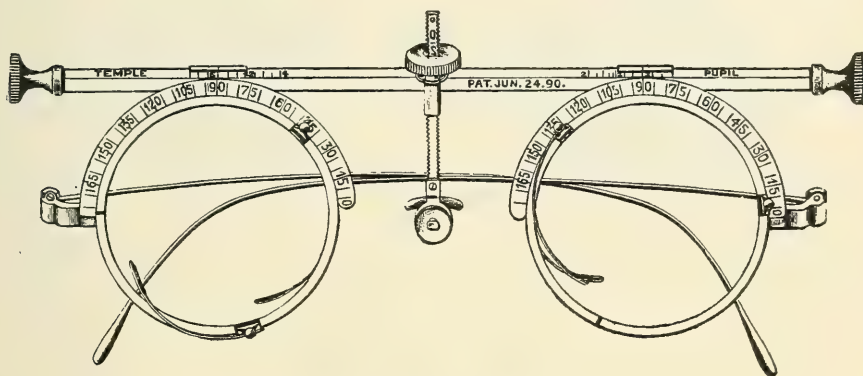


Fig. 3680. AMERICAN TRIAL FRAME.

This trial frame has nickel-plated cells, adjustable for pupillary and temple distance by right and left screw. Pupillary and temple distance graduated on cross-bar. Nose-piece raised and lowered by rapid motion screw, with height marked on side. Inclination of nose-piece changed by screw and graduated on top of screw. This frame is made of steel, very nicely fitted, thereby producing a very light but strong frame. The temples are long and hold well on the head. Straight temples can be supplied in place of the half riding without extra charge. Price.....\$ 7 50

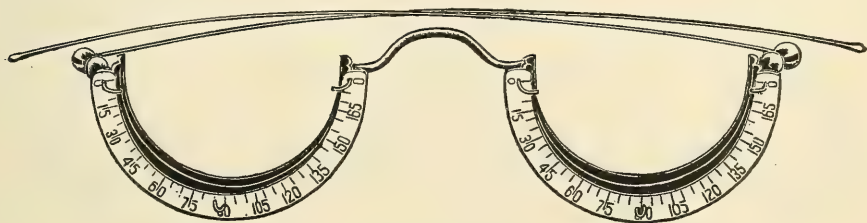
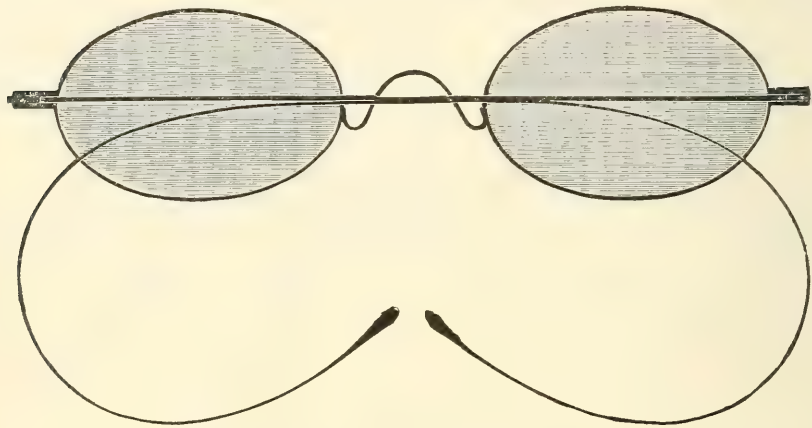


Fig. 3681. HALF OPEN TRIAL FRAME.

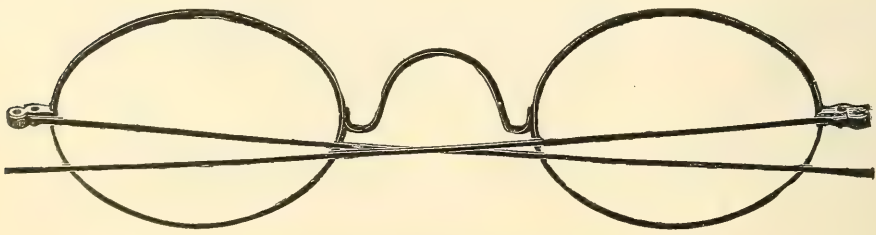
This frame is made from German Silver, with two cells, and hooks on front for holding a third lense.....\$ 1 50
Double Cell Trial Frame, without scale, half open to hold lenses for patient to try..... 75



SPECTACLES.—PRICES NET.



						Per pair.	Per dozen.
No. 226,	Solid Gold Hook Bow Spec.,	heavy nose piece,	complete.....			\$3 00	
" 126 S,	" " " " "	with spiral spring temples,	complete. 4 00				
" 227,	" " Frameless Bow Spec.,	hook temples,	complete.....	3 50			
" 221,	" " Straight " "	complete.....	3 50				
" 550,	Finest Steel Hook	" " "	.....	1 25			
" 55,	Fine " " "	" " "	.....	1 00			
" 55 S,	" " " " "	spiral spring temples,	complete. 1 50				
" 52,	Good " " "	complete.....			\$9 00		
" 22,	Finest " Straight " "	" " "	.....	1 25			
" 9,	Fine " " " " "	" " "	.....	1 00			
" 6,	Good " " " " "	" " "	.....		3 50		
" 6 N,	" " " " "	nicked.....			4 00		

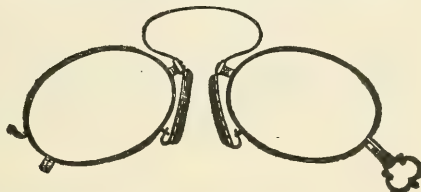


PRESCRIPTION LENSES.

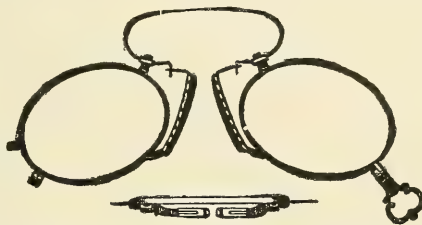
		Per pair.
Spherical, convex or concave; colored plano or coquille.....		\$ 50
Plano Cylindrical.....		1 00
Sphero "		1 50
Plano Prismatic.....		1 00
Sphero "		1 75



EYE GLASSES—PRICES NET.



No. 313, Solid Gold Eye Glass, cork nose, complete	per pair, \$3 00
“ 104, Fine Steel Eye Glass, “ “ “	“ 1 00
“ 124, “ Zylonite Eye Glass, cork nose, complete	“ 1 00
“ 160, “ Frameless “ “ “ “	“ 1 00
“ 121, Good Rubber “ “ “ “	per doz. 3 00



No. 223, Solid Gold Eye Glass, flexible cork nose, complete	per pair, \$3 50
“ 115, Fine Steel “ “ “ “	“ 1 00
“ 142, “ Zylonite Eye Glass, flexible cork nose, complete	“ 1 00
“ 123 “ Rubber “ “ “ “	“ 75



No. 316, Solid Gold Eye Glass, patent nose pieces, complete	per pair, \$3 75
“ 117, Fine Steel “ “ “ “	“ 1 00
“ 156, “ Frameless Eye Glass, patent nose pieces, complete	“ 1 00



Solid Gold Eye Glass, patent bar spring, complete	per pair, \$6 50
Fine Steel “ “ “ “ “	“ 1 75



Bifocal Lenses of the above pattern (approved by oculists) inserted in any frames quoted in this list at an additional price of per pair, \$1 50



EAR INSTRUMENTS.

ACOUETER, Politzer's, Fig. 3849.....	\$ 2 65
" " in case.....	3 25
AIR BAGS, Politzer's, colored rubber, with one tip, plain, Fig. 4050, 6 oz.....	1 00
Poltzer's, colored rubber, with one tip, 8 oz.....	1 25
" " " " 10 oz.....	1 50
" " " " 12 oz.....	1 75
" " " " with valve, 6 oz., Fig. 4050	1 25
" " " " " 8 oz.....	1 50
" " " " " 10 oz.....	1 75
" " " " " 12 oz.....	2 00
Extra tip for any of above.....	25
Roosa's attachment for above. see Fig. 4052.....extra	75
AIR BAG NOZZLES, Agnew's, round, Fig. 4048, G.....	20
Agnew's, oval, Fig. 4048 A.....	20
Buck's, " C.....	25
Glass " E.....	15
Knapp's " D.....	25
Roosa's " F.....	20
APPLICATORS, for cotton, plain metal.....	25
Plain aluminum.....	25
" rubber.....	25
" silver.....	40
" whalebone.....	25
Allen's.....	25
" aluminum.....	25
Buck's, Fig. 3958.....	25
Bishop's, for acids, platina, Fig. 4033.....	1 50
" pure silver, Fig. 3969.....	75
Holcomb's, Fig. 3960.....	25
Hotz', Fig. 3939.....	50
Ingal's.....	35
Lucae's, Fig. 4023.....	75
Spiral, Fig. 3968.....	50
Woolen's, silver.....	40



EAR INSTRUMENTS.

APPARITOR AURIS, see page 1225. Discount to physicians, 25 per cent.	
AUDIPHONES, German, Fig. 4063	\$ 3 50
American, Fig. 4062	6 00
AURICLES, best silk, see page 1224. Discount to physicians, 25 per cent.	
BAGS, Air, see preceeding page.	
BALLOON, Lucae's	2 50
BASINS, Pus, see page 756.	
BISTOURY, Buck's, sharp point, Fig. 3946	1 10
“ probe point, Fig. 3947	1 10
BULB, double eustachian, Dobell's, Fig. 4046	5 00
CANULAS, Gooche's, double plated, for removing polypi, Fig. 4031	1 00
Hawley's, Fig. 3941	1 00
CATHETERS, Eustachian, silver, pure, Hartman's, Fig. 4026	1 25
Eustachian, silver, sterling, Fig. 4028. \$1 00 Virgin Silver	1 00
“ plated, Fig. 4028	60
“ Gensoul's	1 50
“ hard rubber, Fig. 4028	50
“ Noyes', right and left, pure silver, Fig. 4030	1 65
“ Rumbolt's, soft rubber	1 00
“ Seiss' and rubber syringe, Fig. 4072	2 25
“ Sexton's	95
CATHETER HOLDER, wire clamp	75
Holder, Bonafont's	1 50
“ Pomeroy Kramer's	2 65
CAUSTIC HOLDERS, Elastic	1 50
CHISELS, Buck's, Fig. 3929	each 75
Schwartz', set of 7, Fig. 3931	each 75
CONVERSATION TUBES, see page 1223. Discount to physicians, 25 per cent.	
CORNETS, see page 1224. Discount to physicians, 25 per cent.	
COTTON HOLDER, see Applicators.	
CURETTES, Bacon's	1 90
Bishop's, with flexible shank	1 00
“ steel, for inner ear, Fig. 4021	75
Buck's, sharp, Fig. 3956	55
“ dull, “ 3956	55
Hotz', Fenestrated, Fig. 3938	1 00
“ Scoop pattern, aseptible, Fig. 3940	1 00
Quier's, Fig. 4077	1 40
Shafer's, double, Fig. 3908	1 75
Sexton's, double	1 50
Spier's, spiral	95
DIAGNOSTIC TUBE, Toynbee's, Fig. 3852	60
DOUCHES, Gates', Fig. 3845	60
Lucae's, reflex	1 00
Modification of Lucae's, Rumbolt's, tube only	1 00
Rumbolt's, complete, with Lucae's attachment	75
Thudicum's, Fig. 4633	60c. to 75



EAR INSTRUMENTS.

DRAINAGE TUBE, Mastoid, Gruening's, Fig. 3925.....	\$ 75
Mastoid, Knapp's, Fig. 3927.....	60
DRILL, with guard, for perforating the mastoid process.....	3 00
Buck's, mastoid, Fig. 3921.....	2 25
Collins' set, Fig. 3932.....	22 50
Wilson's, mastoid, Fig. 3910.....	5 00
ELECTRODE, Bishop's, Fig. 4088.....	1 50
EXPLORER, Toynbee's, Fig. 3851.....	60
EXTRACTOR, Quier's, foreign body, Fig. 4077.....	1 40
FORCEPS, Allen's, for removing foreign bodies, Fig. 3883.....	3 25
Bacon's, blunt curette, Fig. 3877.....	1 85
Caughtry's, Fig. 3870.....	4 50
Durham's, fenestrated.....	4 50
Duplay's, Fig. 3862.....	4 00
Foreign body forceps, Fig. 3873.....	1 70
Guyes', Polypus, Fig. 3874.....	1 65
Hartman's, Fig. 3885.....	1 75
Hinton's, polypus.....	3 00
“ “ double joint.....	3 25
Hotz', Curette, for tympanum cavity, Fig. 3896.....	2 00
Ivin's.....	2 00
Lucas's, Fig. 3857.....	1 00
McKay's, Fig. 3856.....	1 90
Noyes', alligator, Fig. 3859.....	3 25
Politzer's, cotton wool, Fig. 3895.....	1 35
“ polypus, Fig. 3881.....	1 50
“ Fenestrated polypus, Fig. 3872.....	1 75
“ “ dressing, Fig. 3894.....	1 50
“ eyelet, Fig. 3893.....	1 20
“ with anvil bone scissors, Fig. 3858.....	10 00
Pomeroy's, Fig. 3879.....	1 85
Sexton's, dressing.....	1 35
Toynbee's, curved polypus, Fig. 3871.....	1 50
“ slender, Fig. 3864.....	6 00
“ dressing, Fig. 3878.....	1 50
Trautman's.....	3 00
Troeltsch's polypus, Fig. 3866.....	1 50
Weir's.....	3 25
Wilde's, self-grasping, Fig. 3882.....	1 50
“ serrated, Fig. 3886.....	1 00
“ mouse's tooth, Fig. 3884.....	1 00
GOUGES, Politzer's.....	75
Schwartz's, Fig. 3931.....	75
HOOKS, angular, Fig. 4015.....	1 15
Devil's screw, Fig. 3968.....	50
Lister's, foreign body, Fig. 3912.....	75
HOOK and Spoon, Gross', Fig. 3933.....	50
“ Fenestrated scoop, Fig. 3944.....	1 00



EAR INSTRUMENTS.

HORN, London hearing. See pages 1224 and 1225. Discount to physicians, 25 per cent.	
INHALERS, Buttle's, hard rubber, two tips and bulb, Fig. 4052.....	\$ 1 00
" glass with bulb.....	75
Pomeroy's, glass.....	40
INJECTOR, Rumbolt's.....	1 25
INSUFFLATOR, Rumbolt's.....	1 00
KNIVES, Burnett's, mastoid, Fig. 3919.....	1 15
Buck's, mastoid, Fig. 3945.....	1 10
" furuncle, Fig. 3949.....	85
Hotz', sharp point for operations on tympani, Fig. 3934.....	1 00
" round " " " Fig. 3935.....	1 60
Politzer's, mastoid, Fig. 3917.....	1 15
" meatus.....	1 15
Sexton's, straight round point, Fig. 3973.....	1 25
" angular sharp point, Fig. 3974.....	1 25
MANOMETER, Politzer's.....	40
MASSAGE INSTRUMENTS, Delstanche's, Fig. 3844.....	4 00
MIRRORS, Blake's, inner ear, set, Fig. 4037.....	5 25
Bishop's, for the middle ear, Fig. 4017.....	90
Troeltsch's, with handle 2 inch, Fig. 4076.....	1 50
" " " 2½ " 	1 75
" " " 3 " 	2 00
with plain head band, 75c extra.	
MOUTH PIECE, hard rubber, Fig. 3990 B.....	25
MYRINGOTOME, Buck's, Fig. 3948.....	70
NEEDLES, Paracentesis (see Eye Instruments, page 1166).	
NOZZLE, Buck's, Fig. 4055.....	60
OTOSCOPES, Bishop's, Fig. 3842.....	7 00
Brunton's, Fig. 3839.....	4 00
The Cylinder and Speculums of this Oscope are of hard rubber, and the former is easily removed from the latter, so that after an examination has been made, the body of the instrument can be detached, leaving the speculum <i>in situ</i> for applications or operations. The reflector is nicely plated, well polished and of good reflecting power.	
Hasentine's.....	3 00
Rumbolt's (acu-otoscope).....	2 60
Simrock's best, Fig. 3847.....	2 75
Siegel's, Fig. 3846.....	2 75
PERFORATORS, Buck's.....	75
Lucae's.....	75
Politzer's Tympanum, angular, steel handle, Fig. 4019.....	75
" " straight, Fig. 4035.....	1 10
PERIOSTEOTOMES, see Amputating.	
PIERCER, Ear.....	75
PIPE, Delstanche's, Whistling, Fig. 3850.....	5 00
PIPETTES, Buck's, Fig. 4022.....	35
POLITZERS, see Air Bags, page 1214.	



EAR INSTRUMENTS.

PORTE ACID, glass, Buck's.....	\$ 10
POWDER BLOWERS, see Mouth and Throat Instruments.	
Knapp's, Fig. 4054.....	1 00
PROBES, Buck's, cotton.....	25
Hard rubber, Fig. 3962.....	25
Hotz', soft silver, Fig. 3937.....	75
And scoops, Sexton's, Fig. 3971.....	75
Metal, angular, Fig. 3964.....	50
Silver, Buck's, slender, Fig. 3950.....	50
Reservoir for cotton, Phillips', Fig. 4087.....	1 50
SCISSORS, Gruber's, Fig. 3869.....	1 75
Politzer's,	5 50
Politzer's Anvil Bone, with forceps, Fig. 3858.....	10 00
Trautman's, Fig. 3860.....	3 75
SCOOP, Fenestrated.....	1 15
Politzer's, hard rubber, Fig. 4032.....	60
Mastoid, Fig. 3914.....	1 50
Sexton's, flat, 3 sizes, Fig. 3975..... each	1 00
And probe, Sexton's,	75
SCREW, Devil's, Fig. 3968.....	50
SNARES, see also Nasal Instruments.	
Blake's, Fig. 4036.....	2 00
Wilde's, Fig. 4039.....	2 00
SNARE FORCEPS, F. C. Greene's, Fig. 4038.....	6 00
SPECULUM, Bivalve, Fig. 3836	1 00
Bonafont's, self-retaining, Fig. 3835.....	1 60
Glass mirror.....	35
Gruber's, set of 3, hard rubber.....	60
" " 3, plated, Fig. 3829.....	1 50
" " 3, silver	2 75
Hotz', set of 3, hard rubber.....	1 00
" " 3, plated.....	2 00
" " 3, silver.....	3 00
Knapp's, plated.....	1 50
" 3 in set, hard rubber.....	1 20
Kramer's, ordinary.....	1 00
" best, Fig. 3838	1 25
" best, aluminum, Fig. 3838.....	2 00

The two latter are far superior to the ordinary straight bladed instruments. They have well shaped and finely curved blades, stamped from thin material so that they occupy less space when *in situ* than the latter, they are considered the best bivalve speculums in the market.

Lucae's, plated, Fig. 3832.....	1 50
Porcelain.....	40
Simrock's, Fig 3847.....	2 75
Siegel's, Fig. 3846.....	2 75
Spier's, self-retaining, Fig. 3848.....	1 50
Turnbull's, 2 sizes, Fig. 3833.....	1 25



EAR INSTRUMENTS.

SPECULUM, Toynbee's, set of 3, hard rubber,.....	\$ 60
Toynbee's, set of 3, plated, Fig. 3825.....	1 50
" " 3, silver.....	2 75
Wilde's, set of 3, hard rubber.....	50
" " 3, plated, Fig. 3831.....	1 00
" " 3, silver.....	2 50
Sponge HOLDER, Hartman's, Fig. 4024.....	75
Lucae's, Fig. 4023.....	75
SPOONS, Hotz', aseptic.....	50
Politzer's, hard rubber.....	60
And hook, Gross', Fig. 3933.....	50
And spud, Truax', Fig. 3943.....	75
SPOUTS, Arnold's, Fig. 4053.....	1 00
Greene's, Fig. 4056.....	75
Hosner's Improved, Fig. 4058.....	50
Hosner's,	25
Metal, nickel-plated, Fig. 4051.....	40
Rumbolt's.....	2 25
SYRINGES, see page 721.	
Blake's, inner ear, Fig. 4073.....	3 25
Brass, with rings, Kramer's, large, Fig. 4074.....	2 25
Gruber's.....	3 35
Hard rubber, $\frac{1}{2}$ oz.....	60
" 1 oz., Fig. 4078.....	70
" 2 oz.....	85
" 3 oz.....	1 25
" 4 oz.....	1 50
Pomeroy's, Fig 4075.....	2 50
Seiss', with silver catheter. Fig. 4072.....	2 25
TENACULUM, Hotz', Fig. 3936.....	60
TENATOME, Schwartz', curved, right, Fig. 3963.....	1 10
" " " left " 	1 10
TROCAR, for perforating the lobe of the ear.....	1 15
TRUMPETS, see page 1225. Discount to physicians 25 per cent.	
TUBES, Diagnostic, Toynbee's, Fig. 3852.....	60
TUNING FORKS, small, plain, A or C, Fig. 4040.....	35
Medium size, good quality, Fig. 4041.....	1 50
Lucae's, Large, extra fine, Fig. 4044.....	9 00
Bishop's, and hammer, Fig. 4045.....	7 50
On foot, Fig. 4043.....	2 00
Politzer's, with sliding clamps.....	5 00
Koenig's, with sliding weights, Fig. 4042.....	3 25
TYMPANUM, Toynbee's, artificial, see page 1224. Discount to physicians, 25 per cent.	
VIBRATOR, Ossicle, Bishop's, Fig. 3942.....	1 50
WIRE, for snares, etc., see Nasal Instruments.	

EAR CASES.

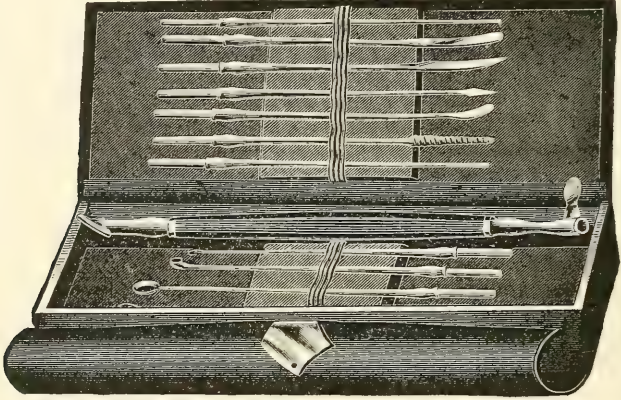


Fig 3790. POLITZER'S POCKET EAR CASE.

Containing: 1 Handle with Straight and Bent Sockets, 2 Sharp Curettes, 1 Spoon, 1 Tena- culum, 1 Cotton Carrier, 1 Probe, 1 Perforator, 1 Blunt and 1 Sharp Point Knife, 1 Para- centesis Needle and 1 Cystotome, all in a neat case. \$10 00

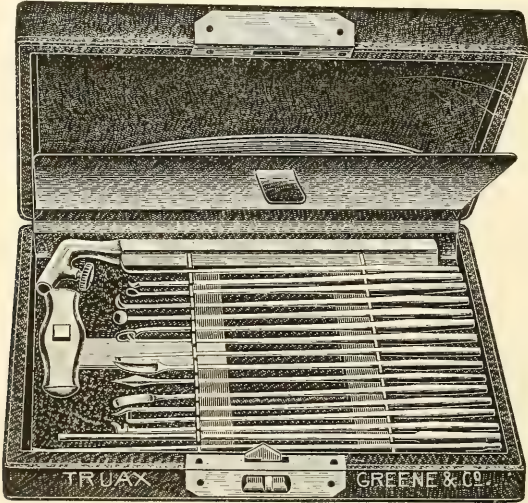


Fig. 3791. S. S. BISHOP'S POCKET EAR CASE.

Containing: 1 Curved Sharp Pointed Knife, 1 Curved Blunt Pointed Knife, 1 Hook Knife for use in perforations, 1 Paracentesis Knife, 1 Sharp Curette, Large; 1 Small Sharp Curette, 1 Small Sharp Spoon, 1 Little Lever, Obtuse Angled, Round End; 1 Vibrator, 1 Sharp Hook, 1 Sharp Double Hook, 1 Tenatome for dividing right Tensor Tympani and Ossicles; 1 Tenatome for cutting left Tensor Tympani and Ossicles; 1 Polypus Snare with extra supply of Wire; 1 Aluminum Ear Probe and Cotton Holder, and 1 Handle with Set Screw, in which any of the above instruments can readily be inserted and placed in any angle desired; all in a dark Leather Case with Metal Racks. Case, $4\frac{1}{4}$ long, $2\frac{1}{4}$ wide and $\frac{3}{4}$ inches thick Price, \$12 00



EAR CASES.

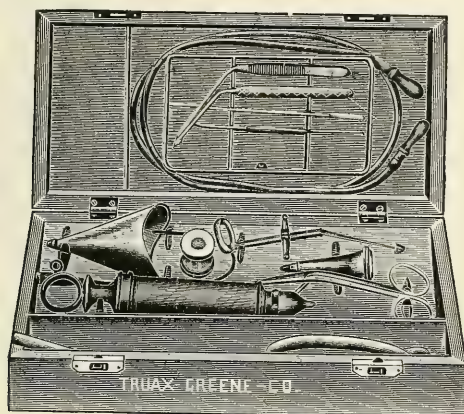


Fig. 3795. TRUAX, GREENE CO.'S EAR CASE, No. 1.

Containing—1 set (3) plated ear speculums; 1 Wilde's polypus snare; 1 coil steel wire; 1 polypus and dressing forcep; 1 eustachian catheter; 1 hard rubber syringe; 1 Hosner's improved ear spout with rubber tubing; 1 diagnostic tube; 1 Wilde's angular dressing forcep; 1 angular Tympanum perforator; 1 cotton applicator; 1 ear spoon and hook. All in a neat wood case with metal racks and partitions. Price \$14.00

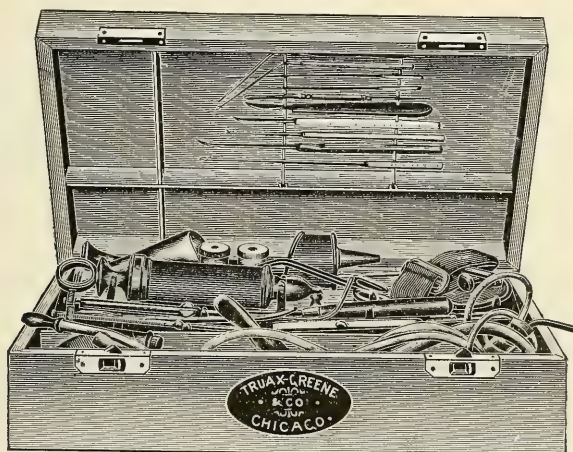


Fig. 3796. TRUAX, GREENE CO.'S EAR CASE, No. 3.

Containing—1 3 inch head mirror with handle and band; 2 eustachian catheters, hard rubber; 1 eustachian catheter, soft silver; 1 good quality tuning fork; 1 Jarvis' snare, straight and curved tips; 2 coils steel wire; 1 hard rubber syringe; 1 polypus forcep; 1 set Gruber's plated ear speculums; 1 set Toynbees' hard rubber ear speculums; 1 Hosner's improved ear spout with rubber tubing; 1 Buttle's inhaler; 1 Siegel's otoscope; 1 Bishop's powder blower; 1 Toynbes' diagnostic tube; 1 Toynbes' explorer; 1 Wilde's angular dressing forcep; 1 angular tympanum perforator; 2 cotton carriers; 1 ear spoon and hook; 1 scalpel; 1 Buck's myringotome; 1 Buck's curved bistoury; 1 Buck's curette; 1 mastoid Knife. All contained in a neat wood case with metal racks and partitions Price \$32.00



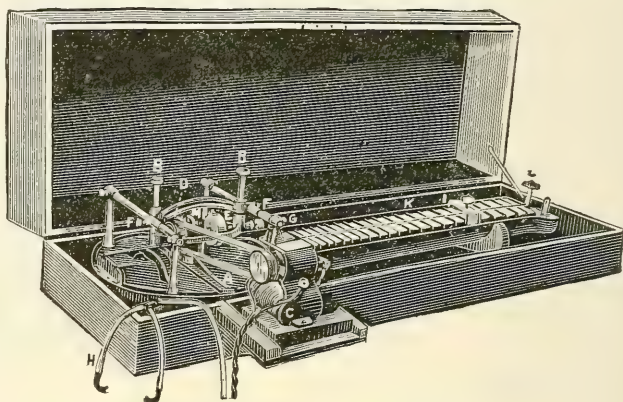
**THE NEW . . .
DISCOVERY.**

VIBRATORY MOTION :
THE ACME OF SCIENTIFIC MASSAGE.

The VIBROMETER.

For Applying
DR. GAREY'S
System of Massage
for the
Cure of the **DEAF.**

An Essential Appa-
ratus in the office
of every
EAR SPECIALIST.



Unqualified Success achieved with the VIBROMETER
IN DEAFNESS AND TINNITUS AURIUM.

THE above is the cut of an instrument called the Vibrometer for applying
massage in Aural diseases by means of vibratory motion.

This system of massage was discovered and put in practical form in a scientific manner by Dr. H. F. Garey, of Baltimore.

It is efficacious in all forms of deafness caused by Catarrhal Inflammation, especially so where the mucus membrane is thickened and the Tinnitus Aurium intense.

Those who have been deaf for years and who have been forced to use an ear trumpet have been so greatly relieved in less than twenty treatments, that they have been able to carry on ordinary conversation with their backs turned ten feet away, and the distressing Tinnitus which accompanied the deafness has been entirely relieved.

All persons are prohibited from using any apparatus other than the Vibrometer for the treatment of deafness by vibratory motion.

**BEWARE OF ALL INFRINGEMENTS UPON OUR PATENTS.
WE ARE SOLE OWNERS.**

Send for Descriptive Pamphlet and Price List. . .

THE VIBROMETER CO.

210 N. HOLLIDAY ST., BALTIMORE, MD.

FOR SALE BY CHAS. TRUAX, GREENE & CO.



EAR INSTRUMENTS.

INSTRUMENTS TO ASSIST THE HEARING.

Instruments to assist the hearing are formed so as to concentrate and conduct the waves of sound to the ear, and are constructed on various principles suited to different degrees of deafness, and to the circumstances under which they are to be used.

The most powerful of these conductors are the conversation tubes, for with them, by placing the lips close to the mouth-piece, a conversation may be carried on, either in a low tone or a whisper, and while it may be plainly heard by the party using the ear-piece, yet others who may be in close proximity to the parties speaking will not be able to hear what is being said. They consist of an ear and mouth-piece, usually of horn, wood or rubber, both connected by an elastic spiral wire tube, covered with rubber and over-spun with silk or mohair. The better class of these conversation tubes have large mouth-pieces, and the tubes are conical, thus forming a gradually decreasing channel from the mouth-piece to the ear. The more common ones have the same kind of tubing, except that it is not conical, and while they are good conductors of the waves of sound, they do not concentrate them; they are useful instruments, but not as valuable as the former. These tubes may be worn around the neck or rolled up and carried in the pocket. While this class are best adapted for very deaf people, and for use among friends, and members of a family, or for business men who do not wish others to overhear their conversation, yet they do not answer for those wishing to hear public speaking or general conversation carried on from different parts of a room.

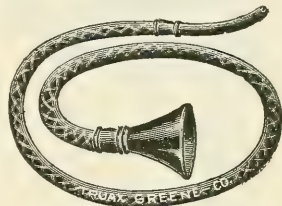


Fig. 3801. Conversation Tube.
For prices see page 1225.



Fig. 3803. Dipper Trumpet. For prices, see page 1225.

inches in length. The latter are the most powerful of any, and will be found efficient aids in many cases where the smaller ones fail. They answer for very deaf people, yet their large size renders them objectionable to use and difficult to carry about. The jointed trumpet, Fig. 3805, and the bugle trumpet, Fig. 3807, are adapted for the use of those who are only moderately deaf. Fig. 3805 disjoins so that it is less bulky to carry. The bugle trumpet comes in several sizes, the lesser one being small enough to admit of its being carried in an outside pocket.

The best class of instruments for this purpose are the ear trumpets, which we have in a great variety of forms and sizes, varying from the small London hearing horns, only twice the size of Fig. 3808, to the largest dipper trumpets, 21



Fig. 3805. Jointed Trumpet. For prices, see page 1225.

The most popular of all the trumpets are the London Hearing Horns, which are constructed on new and scientific principles, and although they are equally as strong as many of the larger instruments, they answer for those who are moderately deaf,

HAS TRUAX & GREENE

EAR INSTRUMENTS.

and as they can easily be carried in the pocket, and concealed in the hand when in use, they are highly prized by those having them. We have them in "dead black" and nickel plated, and in sizes varying from $2\frac{1}{2}$

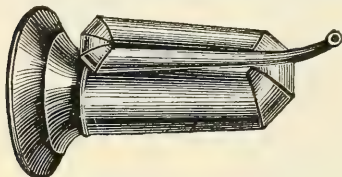


Fig. 3807. Bugle Trumpet. For prices see page 1225.

inches to 4 inches high. The plated ones are finely polished and present a neat and handsome appearance, while the "dead black" ones are preferred by those who wish to conceal them and desire to make as little show as possible with them.

Auricles are simply small ear trumpets shaped to fit the sides of the head, where they are supported by a band of metal in such a position that the tubes

will properly convey the waves of sound to the ear. They are covered with silk or leather and may be concealed by the hair or head-dress. They will not answer for cases that are more than moderately deaf.

Cornets are the smallest of hearing instruments, and will be found efficient in cases of obstruction of the meatus by reason of contraction or the presence of polypi. As they usually come in contact with tissues that are more or less inflamed, they should always be made from gold or silver. These are shown in Fig. 3809, A and B.

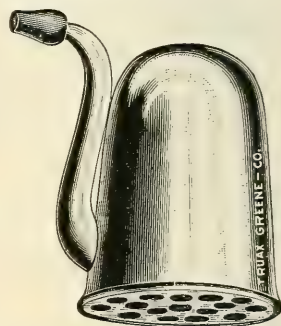


Fig. 3808. London Hearing Horn. For prices, see page 1225.



a

b

c

Fig. 3809 A. Ear Cornet. For prices, see next page.

Fig. 3809 B. Ear Cornet. For prices, see next page.

Fig. 3809 C. Artificial Tympanum. For prices, see next page.

Artificial Tympanums are used to diminish the evil results occurring from perforation of the drum. The artificial Tympanum is pressed against the remains of the natural one, and the opening thus closed. They are shown in Figs. 3809 C, 3811 and 3813.



Fig. 3815. Auricles. For prices, see page 1225.

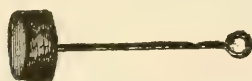


Fig. 3811. Field's Artificial Tympanum, 40c.



Fig. 3813. Turnbull's Artificial Tympanum, 40c

AUDIPHONES AND SIMILAR INSTRUMENTS FURNISHED TO ORDER.



EAR INSTRUMENTS.

The Apparitor Auris is shown in Fig. 3817, and is so shaped that it may be worn entirely within the concha, being almost unobservable on account of its close fit and flesh color. The advantage of this instrument over the cornet consists in having the canal elongated so that the waves of sound that enter the aperture are not diffused, but conducted through the meatus to the tympanum.

Those commencing the use of hearing instruments, especially of trumpets and auricles, will frequently be disappointed with first trials and will complain that sounds are confused, but after a short experience they will usually appear natural, and the assistance derived will be so highly valued that the use of artificial aids will not willingly be dispensed with.

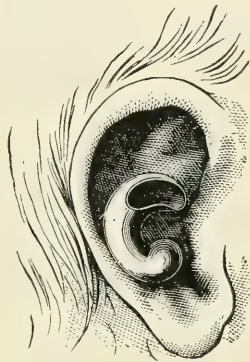


Fig. 3817. Apparitor Auris
For prices, see below.

PRICES TO PATIENTS.

APPARITOR AURIS, Fig. 3817.....	pair	\$6 00
AURICLES, leather covered, Fig 3815.....		3 50
Silk covered.....		5 00
CONVERSATION TUBES, Conical, 5 feet, silk, Fig. 3801.....		6 50
Conical, 3 feet, silk.....		4 50
" 5 " mohair.....		5 00
" 3 " ".....		3 25
Straight 3 " silk.....		2 50
" 3 " mohair.....		2 00
CORNETS, Silver, Fig 3809 A.....	pair	3 00
Silver, Fig. 3809 B.....	pair	3 50
EAR TRUMPETS, Dipper, large, Fig. 3803.....		6 00
Dipper, medium.....		5 00
" small.....		4 50
Jointed, large, Fig. 3805.....		5 00
" medium.....		4 00
" small.....		3 50
Bugle, large, Fig. 3807.....		4 00
" medium.....		3 00
" small.....		2 50
LONDON HEARING HORNS, large, black or nickel-plated, Fig. 3808.....		5 00
London Hearing Horns, medium.....		4 50
" " small.....		4 00
These are all furnished at the same price, whether plain or plated.		
TYMPANUMS, Artificial, Fig. 3809 C.....	each	25
Artificial, Field's, Fig. 3811.....	each	40
" Turnbull's, Fig. 3813.....	each	40

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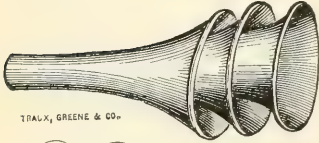


Fig. 3825. Toynbee's Speculums, 60c. to \$2.75. See page 1219.

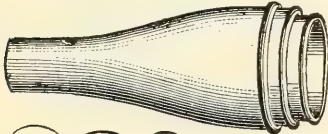


Fig. 3829. Gruber's Speculums, 60c. to \$2.75. See page 1218.

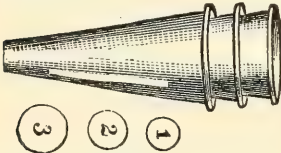


Fig. 3831. Wilde's Speculums, 50c. to \$2.50. See page 1219.

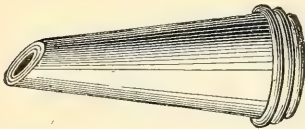


Fig. 3832. Lucae's Speculums, plated, \$1.50. See page 1218.

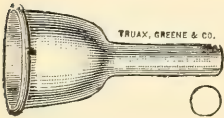


Fig. 3833. Turnbull's Speculum, 2 sizes, pair \$1.25. See page 1218.

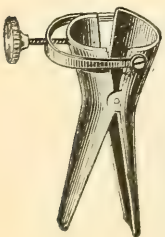


Fig. 3835. Bonafont's Self-Retaining Speculum, \$1.00. See page 1218.

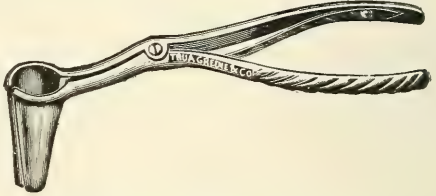


Fig. 3836. Plain Bivalve Speculum, \$1.00. See page 1218.

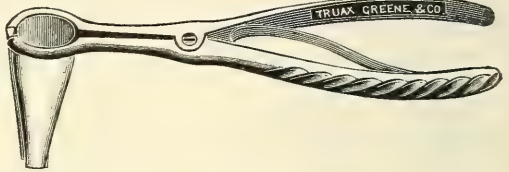


Fig. 3538. Kramer's Speculum, best quality, extra thin blades, \$1.25; Aluminum, \$2.00. See page 1218.

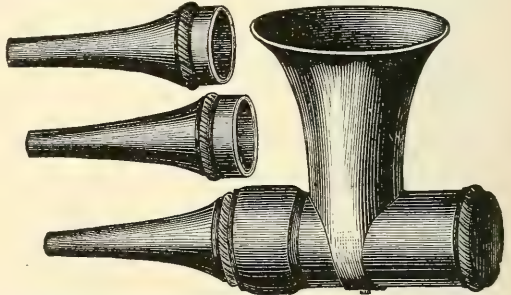


Fig. 3839. Brunton's Otoscope, \$4.00. See page 1217.

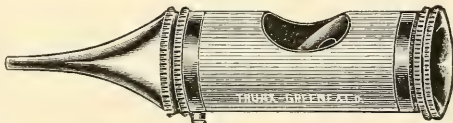
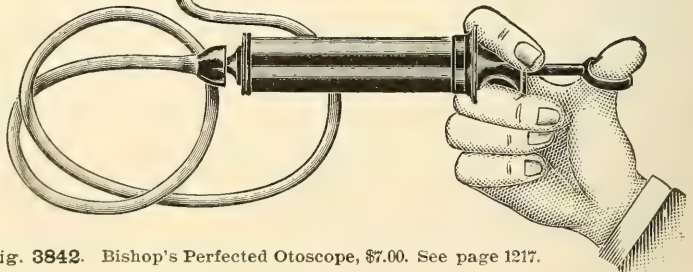


Fig. 3842. Bishop's Perfected Otoscope, \$7.00. See page 1217.



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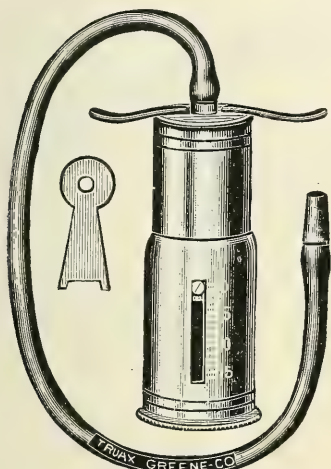


Fig. 3844. Delstanche's Massage or Suction Instrument, \$4.00. See page 1217.

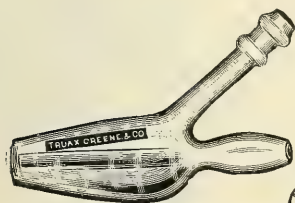


Fig. 3845. Gates' Glass Douche, 60c. See page 1215.

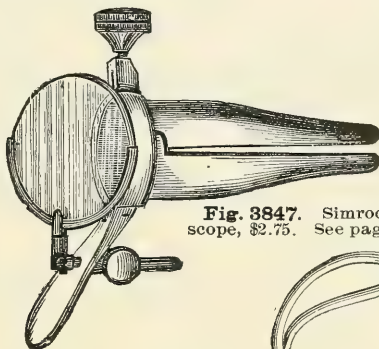


Fig. 3847. Simrock's Otoscope, \$2.75. See page 1217.

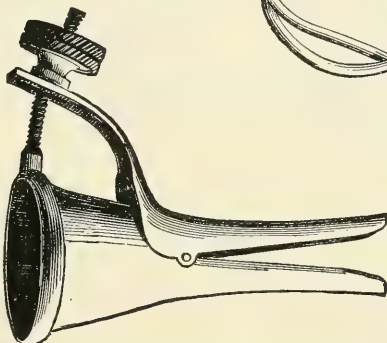


Fig. 3848. Spier's Self-Retaining Speculum, \$1 50. See page 1218.

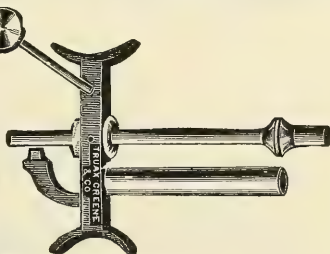


Fig. 3849. Politzer's Acoumeter, \$2.65; in case, \$3.25. See page 1214.

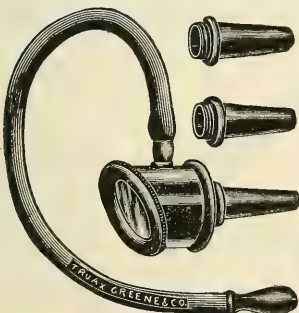


Fig. 3846. Siegel's Otoscope, \$2.75. See page 1217.



Fig. 3850. Delstanche's Whistling Pipe, giving different degrees of pitch, \$5.00. See page 1217.

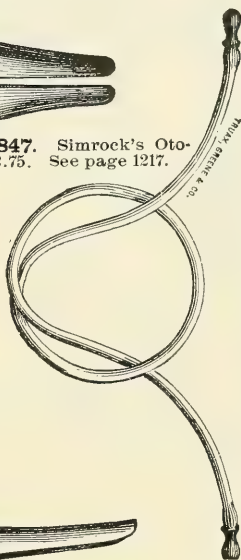


Fig. 3852. Toynbee's Diagnostic Tube, 60c. See page 1215.

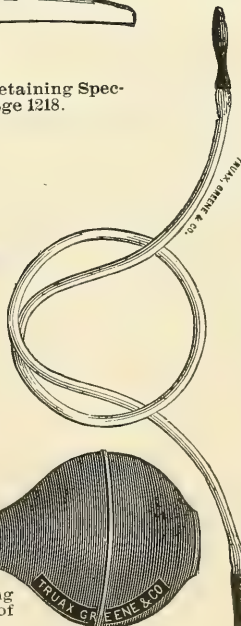


Fig. 3851. Toynbee's Explorer, 60c. See page 1216.



EAR INSTRUMENTS.



Fig. 3857. Lucae's Ear Forceps, \$1.00. See page 1216.

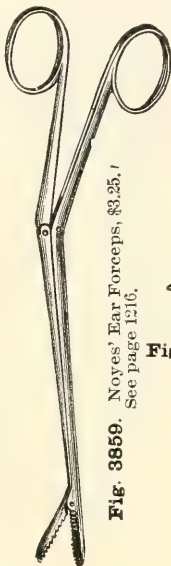


Fig. 3859. Noyes' Ear Forceps, \$3.25. See page 1216.

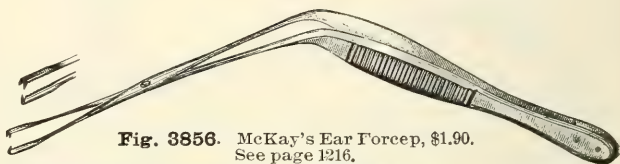


Fig. 3856. McKay's Ear Forcep, \$1.90. See page 1216.

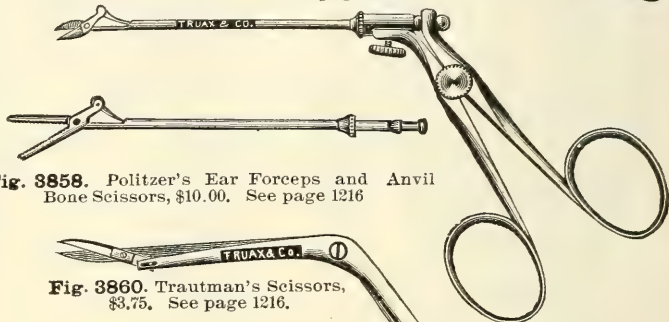


Fig. 3858. Politzer's Ear Forceps and Anvil Bone Scissors, \$10.00. See page 1216



Fig. 3860. Trautman's Scissors, \$3.75. See page 1216.

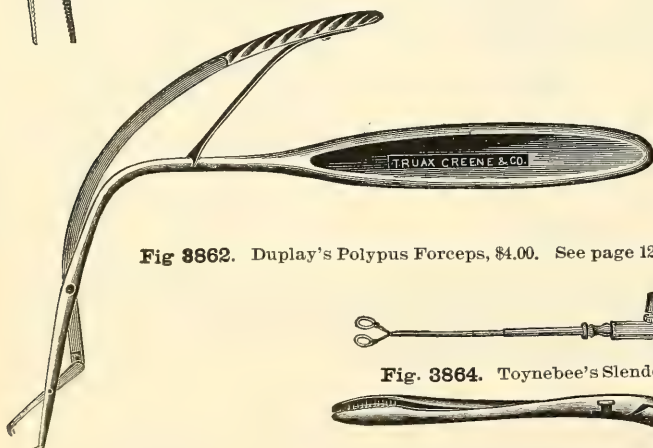


Fig. 3862. Duplay's Polypus Forceps, \$4.00. See page 1216.

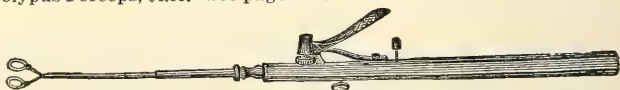


Fig. 3864. Toynebee's Slender Ear Forceps with lever, \$6.00.

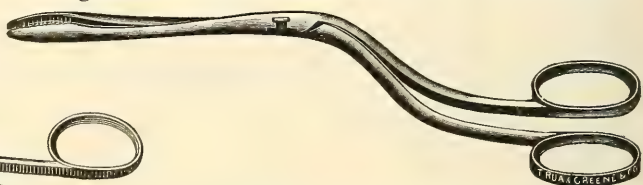


Fig. 3866. Troeltsch's Polypus Forceps, \$1.50.

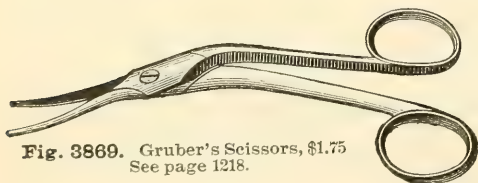


Fig. 3869. Gruber's Scissors, \$1.75. See page 1218.



EAR INSTRUMENTS.

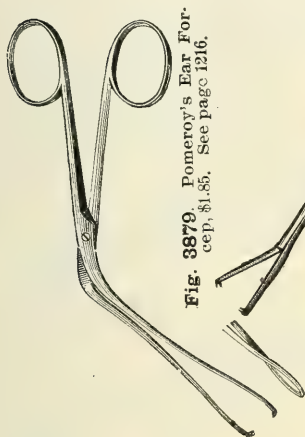


Fig. 3879. Pomeroy's Ear Forcep, \$1.85. See page 1216.

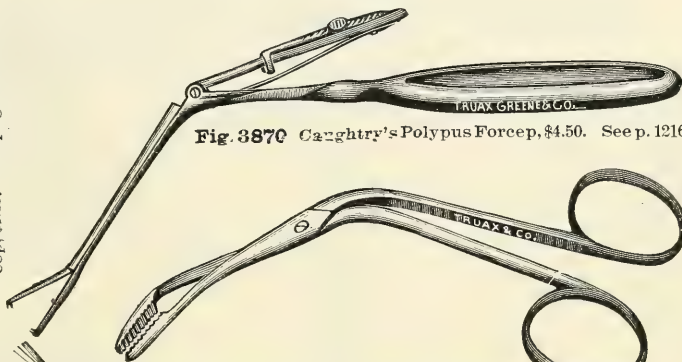


Fig. 3870. Caghtry's Polypus Forcep, \$4.50. See p. 1216.

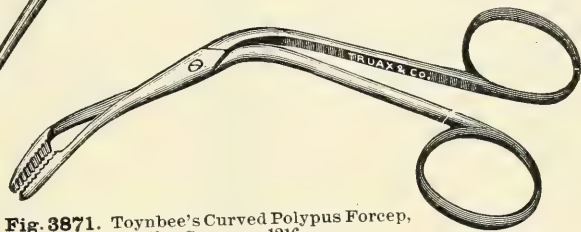


Fig. 3871. Toynbee's Curved Polypus Forcep, \$1.50. See page 1216.



Fig. 3878. Toynbee's Dressing Forcep, \$1.50. See page 1216.

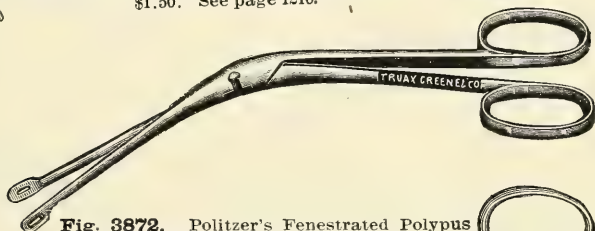


Fig. 3872. Politzer's Fenestrated Polypus Forcep, \$1.75. See page 1216.

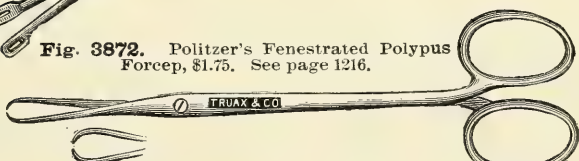


Fig. 3873. Foreign Body Forcep, \$1.70. See page 1216.

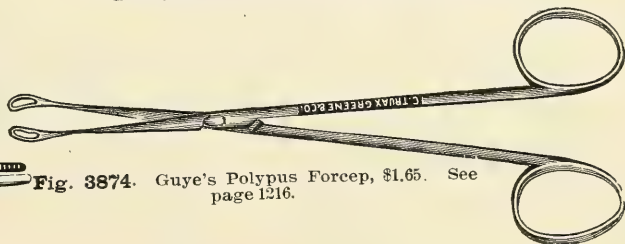


Fig. 3874. Guye's Polypus Forcep, \$1.65. See page 1216.

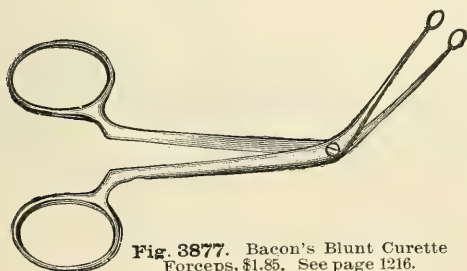


Fig. 3877. Bacon's Blunt Curette Forceps, \$1.85. See page 1216.

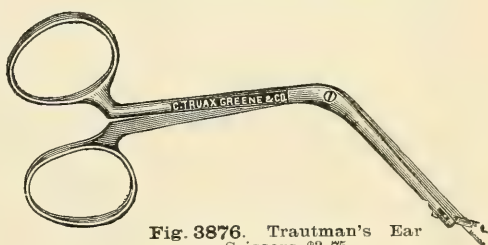


Fig. 3876. Trautman's Ear Scissors, \$3.75.

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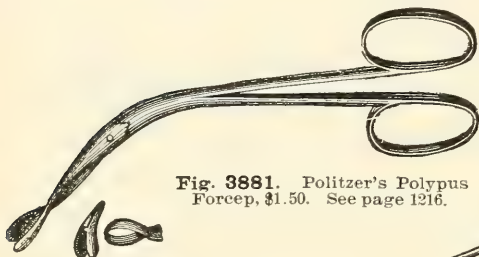


Fig. 3881. Politzer's Polypus Forcep, \$1.50. See page 1216.



Fig. 3882. Wilde's Self-Grasping Ear Forceps, See page 1216.

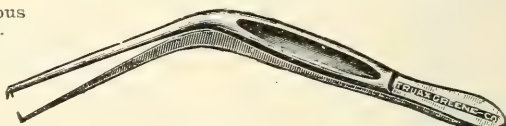


Fig. 3884. Wilde's Mouse Tooth Ear Forcep, \$1.00. See page 1216.



Fig. 3886. Wilde's Serrated Ear Forcep, \$1.00. See page 1216.

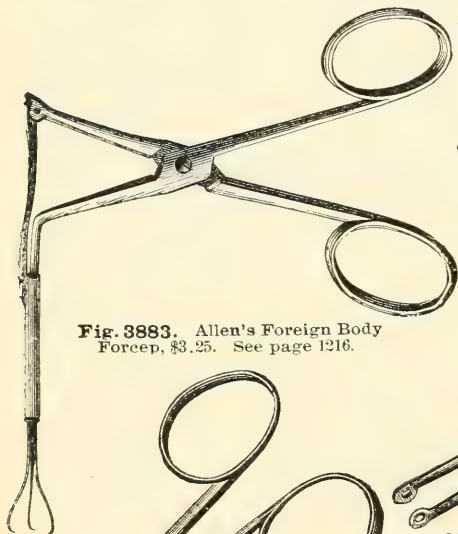


Fig. 3883. Allen's Foreign Body Forcep, \$3.25. See page 1216.



Fig. 3893. Politzer's Eyelet For- cep, \$1.20. See page 1216.

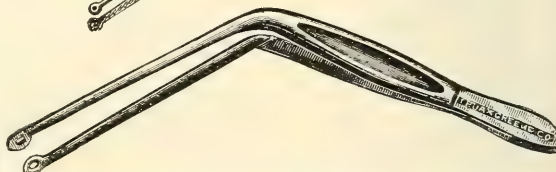


Fig. 3894. Politzer's Fenestrated Dressing Forcep, \$1.50. See page 1216.

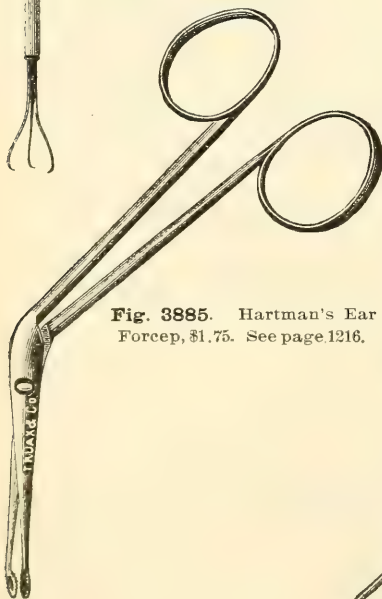


Fig. 3885. Hartman's Ear Forcep, \$1.75. See page 1216.

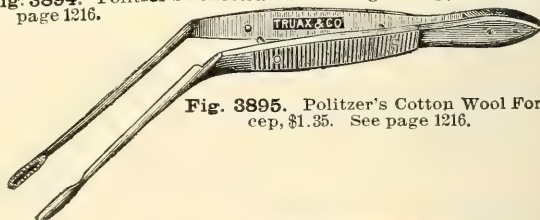


Fig. 3895. Politzer's Cotton Wool For- cep, \$1.35. See page 1216.

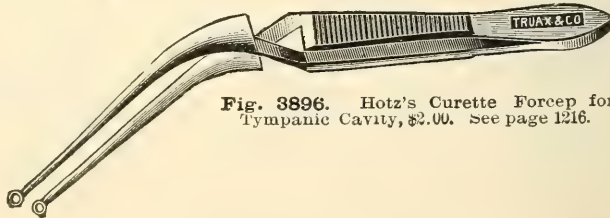


Fig. 3896. Hotz's Curette Forcep for Tympanic Cavity, \$2.00. See page 1216.

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EAR INSTRUMENTS.



Fig. 3908. Shafer's Double Curette, \$1.75. See page 1215.

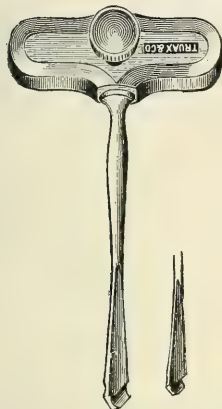


Fig. 3921. Buck's Drills, \$2.25. See page 1216.

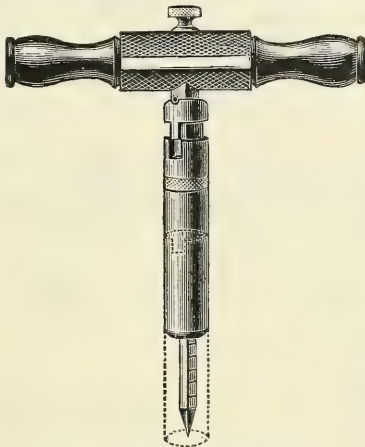


Fig. 3910. Wilson's Mastoid Drill. \$5.00.



Fig. 3912. Lister's Foreign Body Hook, 75c. See page 1216.



Fig. 3914. Politzer's Mastoid Scoop, \$1.50. See page 1218.



Fig. 3925. Gruening's Mastoid Drainage Tube, 75c. See p. 1216.

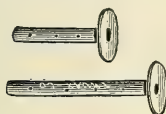


Fig. 3927. Knapp's Mastoid Drainage Tube, 60c. See p. 1216.



Fig. 3917. Politzer's Mastoid Knife, \$1.15. See page 1217.



Fig. 3919. Burnett's Mastoid Knife, \$1.15. See page 1217.



Fig. 3929. Buck's Chisels, each 75c. See page 1215.

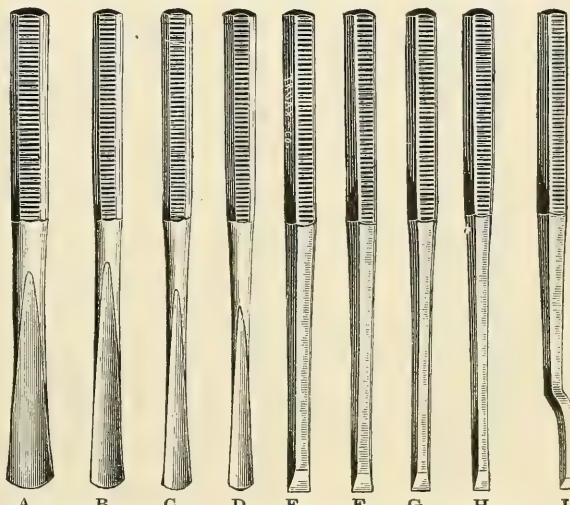


Fig. 3931. Schwartz' Chisels and Gouges, each 75c. See p. 1215.

HAS TRUAX & CO. GREENE & CO.

EAR INSTRUMENTS.

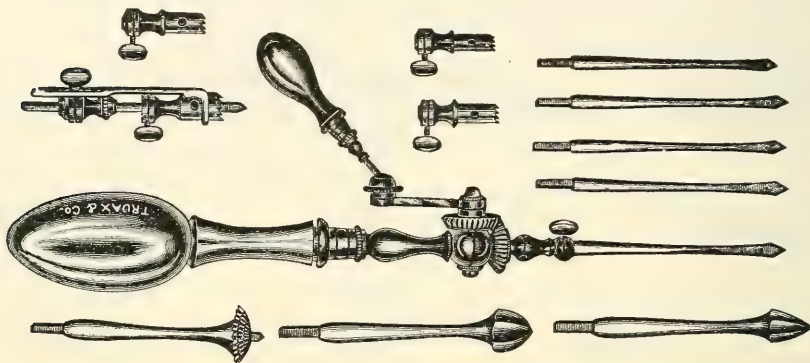


Fig. 3932. Collins' Drills and Bone Trephines complete, in case, \$22.50. See page 1216.



Fig. 3933. Gross' Ear Spoon and Hook, 50c. See page 1219.



Fig. 3934. Hotz' Sharp point Membrana Tympani Knife, \$1.00.



Fig. 3935. Hotz' Round point Membrana Tympani Knife, \$1.00.



Fig. 3936. Hotz' Tenaculum, 60c. See page 1219



Fig. 3937. Hotz' Soft Silver Probe, 75c. See page 1218.



Fig. 3938. Hotz' Fenestrated Curette. Steel, \$1.00. See page 1215.



Fig. 3939. Hotz' Cotton Carrier, 50c. See page 1215.



Fig. 3940. Hotz' Steel Scoop, \$1.00 See page 1215.



Fig. 3943. Truax' Ear Spoon and Spud, 75c. See page 1219.



Fig. 3944. Ear Hook and Fenestrated Scoop, \$1.00 See page 1216.

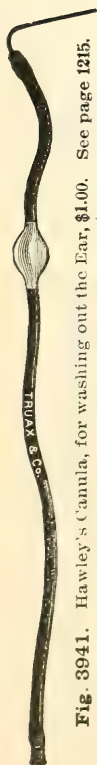


Fig. 3941. Hawley's Canula, for washing out the Ear, \$1.00. See page 1215.

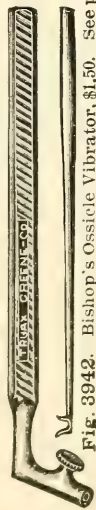


Fig. 3942. Bishop's Ossicle Vibrator, \$1.50. See page 1219.

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EAR INSTRUMENTS.



Fig. 3964. Metal Ear Probe, 50c. See page 1218.



Fig. 3963. Schwartz' Tenatomes, right and left, each \$1.10. See page 1219.



Fig. 3969. Bishop's Soft Silver Applicator, 75c. See page 1214.



Fig. 3968. Devil's Screw Hook, 50c. See page 1216.



Fig. 3945. Buck's Mastoid Knife, \$1.10. See page 1217.



Fig. 3946. Buck's Sharp Point Bistoury, \$1.10. See page 1215.



Fig. 3947. Buck's Probe Point Bistoury, \$1.10. See page 1215.



Fig. 3948. Buck's Myringotome, 70c. See page 1217.



Fig. 3949. Buck's Furuncle Knife, 85c. See page 1217.



Fig. 3950. Buck's Silver Probe, 50c. See page 1218.



Fig. 3956. Buck's Steel Sharp Curette, 3 sizes, 55c. each.

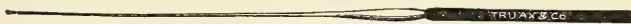


Fig. 3958. Buck's Cotton Carrier, 25c. See page 1215.

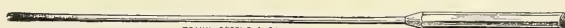


Fig. 3960. Holcomb's Cotton Carrier, 25c. See page 1215.



Fig. 3962. Plain Hard Rubber and Whalebone Applicators, 25c.



Fig. 3971. Sexton's Probe and Scoop, 75c. See page 1218.



Fig. 3973. Sexton's Straight Round Point Knife, \$1.25. See p. 1217.



Fig. 3974. Sexton's Angular Knife, Sharp Point, \$1.25. See page 1217.

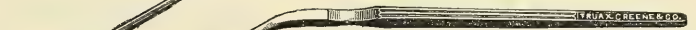


Fig. 3975. Sexton's Flat Scoops, 3 sizes, each, \$1.00. See page 1218.



Sexton's Set for Excision of the Aural Ossicles, consisting of 3 Scoops, 2 kinds with Scoop and Probes as shown above, in neat case \$6.50

TRUAX & GREENE

EAR INSTRUMENTS.

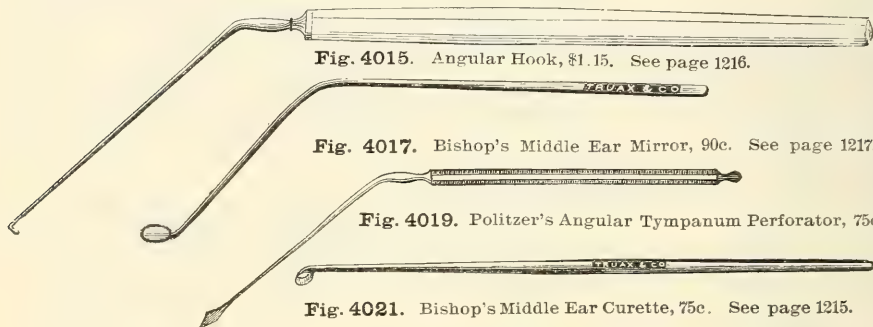


Fig. 4015. Angular Hook, \$1.15. See page 1216.

Fig. 4017. Bishop's Middle Ear Mirror, 90c. See page 1217.

Fig. 4019. Politzer's Angular Tympanum Perforator, 75c.

Fig. 4021. Bishop's Middle Ear Curette, 75c. See page 1215.

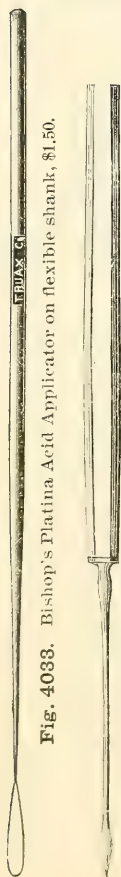


Fig. 4033. Bishop's Platina Acid Applicator on flexible shank, \$1.50.

Fig. 4035. Politzer's Straight Tympanum Perforator, \$1.10. See page 1217.

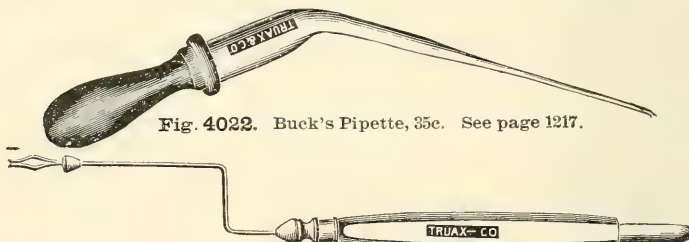


Fig. 4022. Buck's Pipette, 35c. See page 1217.

Fig. 4023. Lucae's Sponge and Cotton Holder, 75c. See page 1219.



Fig. 4024. Hartman's Sponge Holder, 75c. See page 1219.

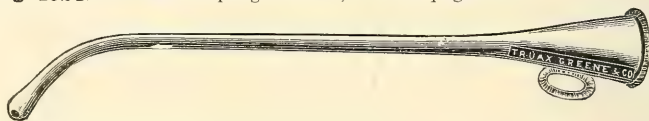


Fig. 4026. Hartman's Pure Silver Eustachian Catheter, \$1.25. See page 1215



Fig. 4025. Eustachian Catheter. 50c. to \$1.00. See page 1215.



Fig. 4030. Noyes' Eustachian Catheter Silver, \$1.65. See page 1215.



Fig. 4032. Politzer's Hard Rubber Ear Scoop, 60c. See page 1218.

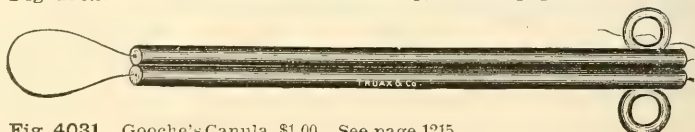


Fig. 4031. Gooche's Canula, \$1.00. See page 1215.

EAR INSTRUMENTS.

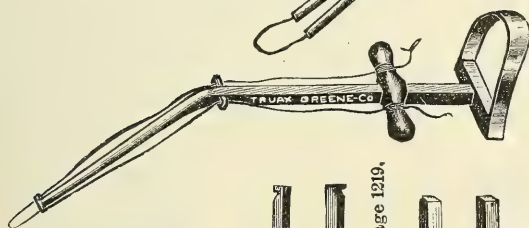
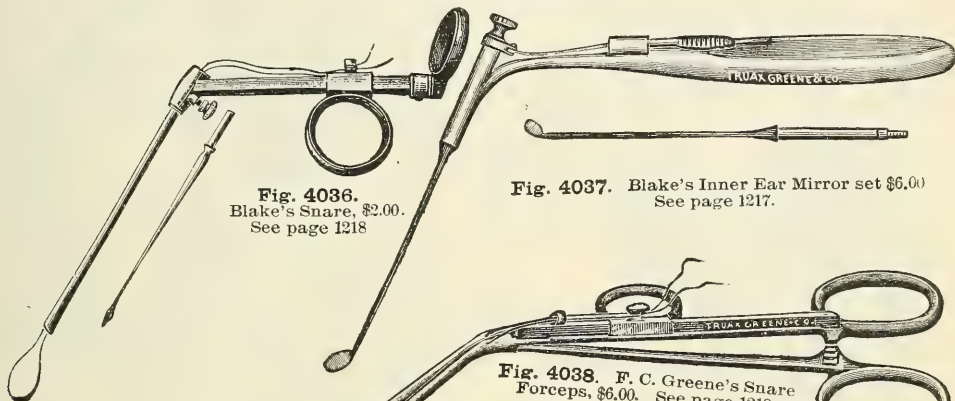


Fig. 4039. Wilde's Snare, \$2.00. See page 1218.



Fig. 4040. Tuning Forks, ordinary A or C, 35c.



Fig. 4041. Tuning Forks, fine quality, \$1.50. See page 1219.



Fig. 4042. Koenig's Tuning Fork, with sliding weights, \$3.25. See page 1219.

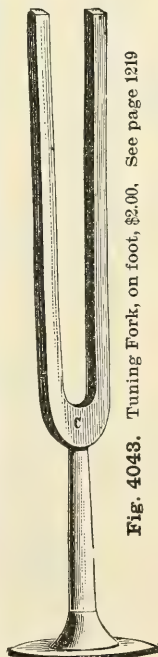


Fig. 4043. Tuning Fork, on foot, \$2.00. See page 1219.

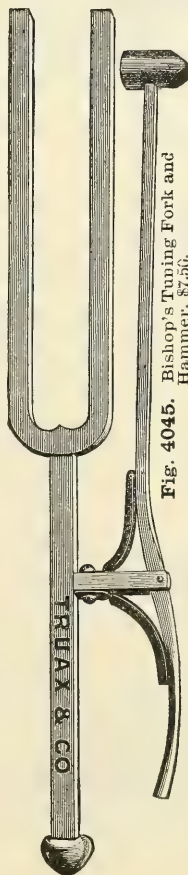


Fig. 4045. Bishop's Tuning Fork and Hammer, \$7.50.

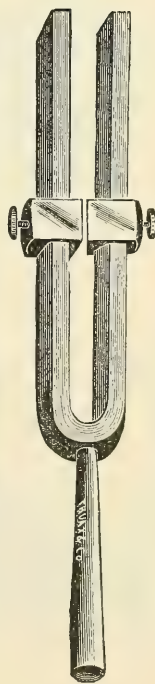


Fig. 4044. Luciae's Large Tuning Fork with weights, extra quality, \$9.00. See page 1219.

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EAR INSTRUMENTS.

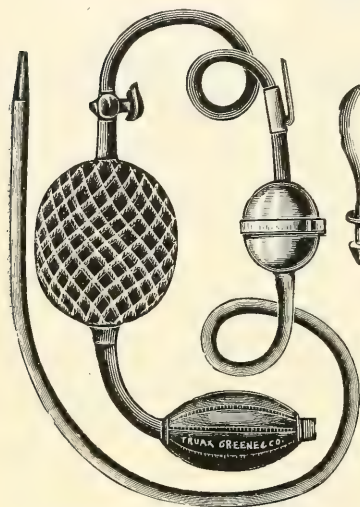


Fig. 4046. Dobell's Double Eustachian Bulb, 5.00. See page 1215.

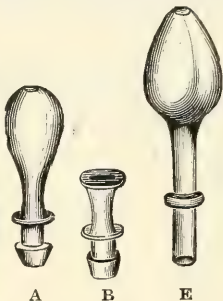


Fig. 4048. Ear and Nasal Tips.
For prices, See page 1214.



Fig. 4050. Politzer's Air Bag with two tips. For prices and sizes. See page 1214.

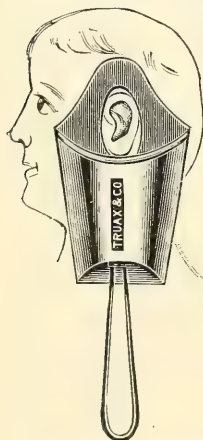


Fig. 4053. Arnold's Ear Spout, \$1.00.
See page 1219.



Fig. 4052. Buttle's Inhaler, complete, \$1.00. See page 1217.



Fig. 4054. Knapp's Powder Blower, \$1.00. See page 1218.

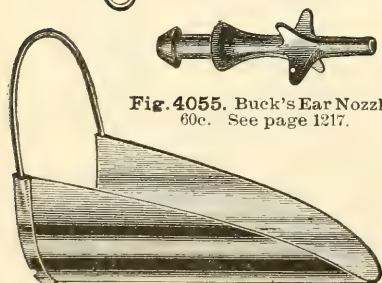


Fig. 4051. Hosner's Metal Ear Spout, Nickel-plated, 40c. See page 1219.



Fig. 4055. Buck's Ear Nozzle, 60c. See page 1217.



Fig. 4056. Greene's Ear Spout, 75c. See page 1219.

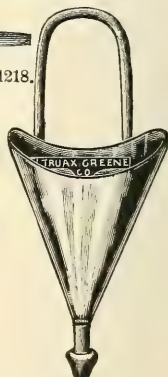


Fig. 4058. Horner's Improved Ear Spout, 50c. See page 1219.

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EAR INSTRUMENTS.

DAVIDSON RUBBER CO.

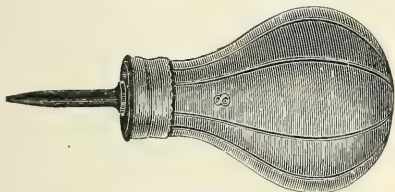


Fig. 4060.

DAVIDSON RUBBER CO'S POLITZER'S AIR BAGS.

3 Sizes, 8, 10 and 12 ounce, each with hard Rubber bushing and pipe. Manufactured from best quality of tan colored rubber. They are soft and pliable. Prices, 8 oz., \$1.50; 10 oz., \$1.75; 12 oz., \$2.00.

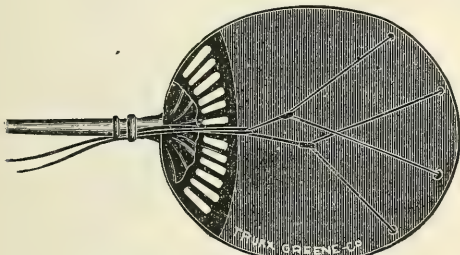


Fig. 4062. American Audiphone.
Price to patients, \$10.00.

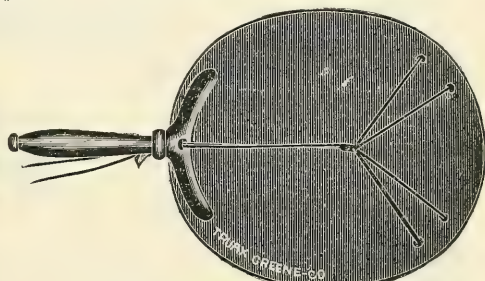


Fig. 4063. German Audiphone,
Price to patients, \$8.00.

The value of these appliances in certain classes of cases is too well known to the medical profession to necessitate a lengthy statement here. They afford positive relief in certain cases, and prove of great value to their owner.

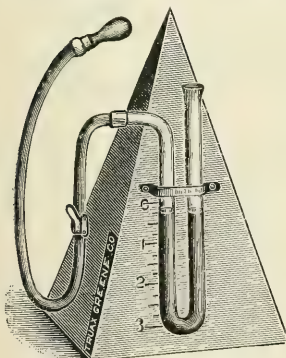


Fig. 4067. Prince's Politzometer, \$3.75.

PRINCE'S POLITZOMETER.

This valuable instrument is the invention of Dr. A. E. Prince, of Springfield, Ills. It is used in connection with the inflation of the middle ear by means of the Politzer bag to determine the degree of stenosis of the tube. It consists of a glass tube bent as shown in the illustration, and connected with a Soft Rubber Tube, cut-off and Ear Tip. The whole is mounted on solid wood pyramidal base.

Price, as shown in illustration, \$3.75.

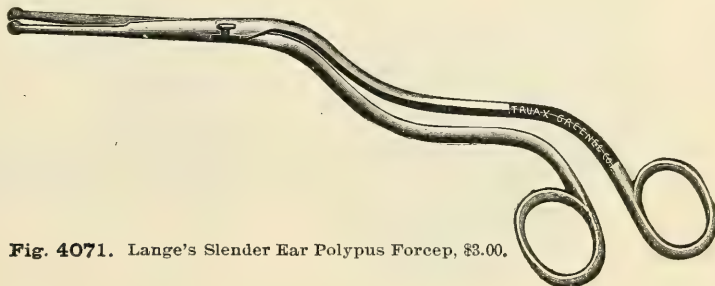


Fig. 4071. Lange's Slender Ear Polypus Forcep, \$3.00.

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Fig. 4072. Seiss' Silver Eustachian Catheter and Hard Rubber Syringe, \$2.25. See page 1215.



Fig. 4078. Hard Rubber Syringe, 80c. to \$1.50. See page 1219.

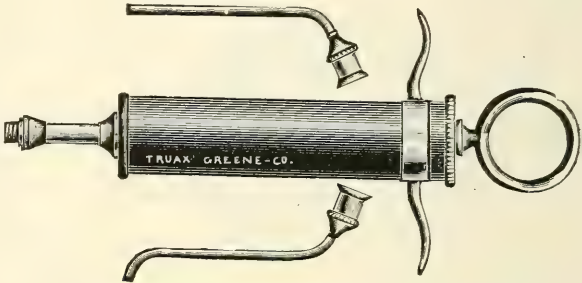


Fig. 4073. Blake's Inner Ear Syringe, \$3.25. See page 1219.

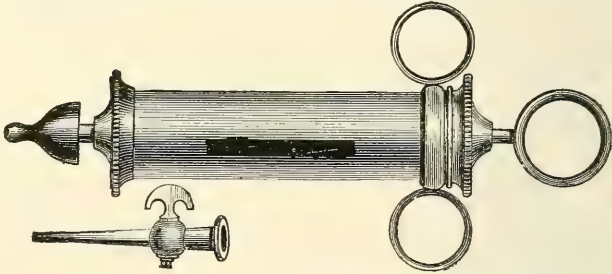


Fig. 4074 Kramer's Syringe, \$2.25. See page 1219.

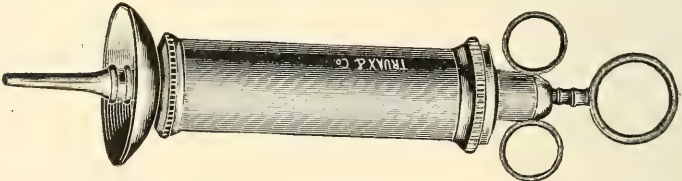


Fig. 4075. Pomeroy's Brass Syringe, \$2.50. See page 1219.

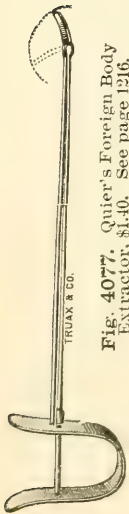


Fig. 4077. Quier's Foreign Body Extractor, \$1.40. See page 1216.

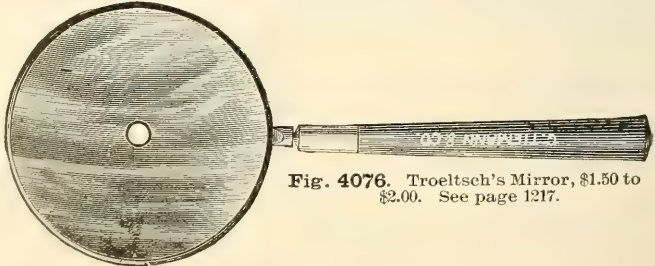


Fig. 4076. Troeltsch's Mirror, \$1.50 to \$2.00. See page 1217.

HAS **TRUAX & GREENE** 86

EAR INSTRUMENTS.

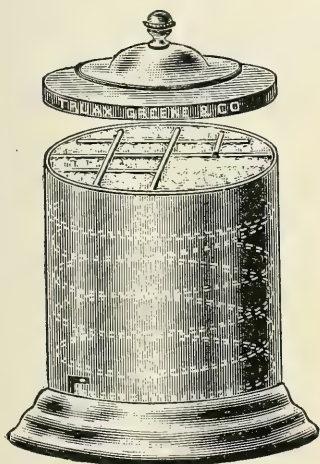


Fig. 4087. Phillips' Cotton Reservoir, \$1.50.

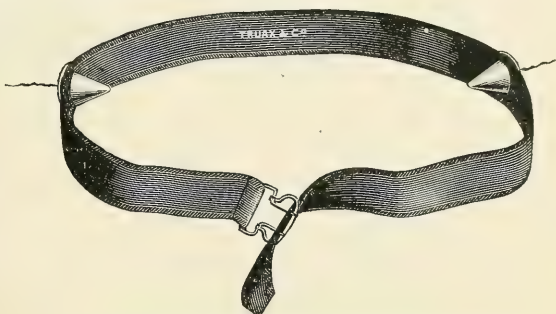


Fig. 4088. Bishop's Electrode, \$1.50. See page 1216.

PHILLIPS' COTTON RESERVOIR.

This is a useful adjunct to the office of the physician and surgeon; more particularly to the specialist. It is constructed internally so that the cotton, to the very last piece, is exposed at the top. The Aurist or Gynecologist can readily pick a small or large piece of cotton, as may be desired, from the reservoir for attachment to a probe, carrier or applicator or for tamponing purposes.

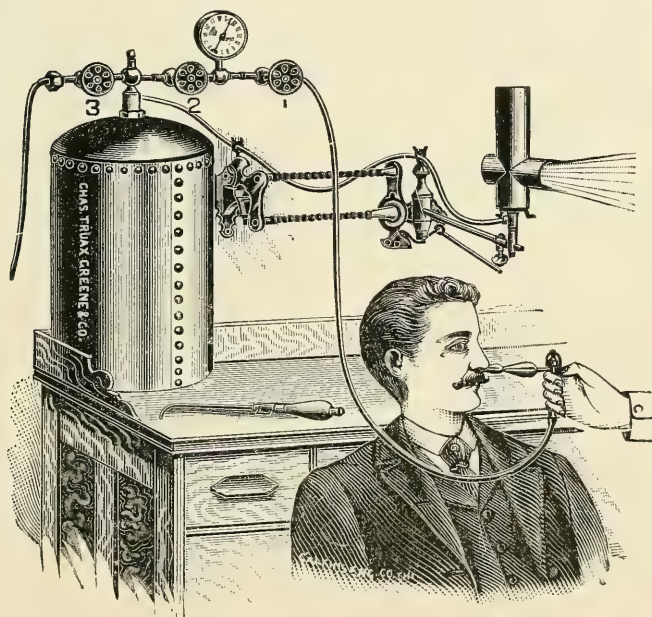


Fig. 4090. Bishop's Apparatus for treatment of the Eustachian Canal and inner ear.

Price for receiver, gauges, tubing, cut-off, nasal tip and "T" pump\$35 00



NASAL INSTRUMENTS.

ADJUSTOR, Ingals', for adjusting the loop of an ecraseur, Fig. 4552.....	\$ 9 00
APPLICATOR, Allen's, Fig. 4294	25
Bishop's, aluminum.....	1 00
A. H. Smith's, for nitric acid.....	1 90
Bosworth's, for chromic acid, Fig. 4648.....	4 50
" Plain, 60c.; aluminum, Fig. 4320.....	75
Cohen's Pharyngeal	3 00
Dunn's, pure silver, Fig. 4297.....	1 00
Gleitsman's, set of five, with one handle, aluminum, Fig. 4437.....	1 75
Ingals', aluminum, Fig. 4317	75
" plain, Fig. 4296.....	40
Macoy's, Fig. 4290.....	4 50
Sajou's, posterior pharyngeal, Fig. 4311.....	1 00
" acetic acid, Fig. 4314.....	5 00
" chromic acid, Fig. 4293.....	4 00
BOUGIES, MacKenzie's, gum, elastic, 7 sizes, in sets only..... set	3 50
Yearsley's, elastic, Fig. 4510.....	40
BRACE, for dislocated septum, Truax', Fig. 4624.....	7 50
BRUSH HOLDER, Ingals', Fig. 4319.....	75
BURRS, electrical, Fig. 4638	1 50
sheath for protecting same, Fig. 4636.....	3 00
CANULA, Bellocq's, for epistaxis, Fig. 4439.....	1 00
Gooche's, double, for polypus, plated, Fig. 4031.....	1 00
Ingals', silver, for the application of cocaine, Fig. 4646.....	75
CAUTERIES, ELECTRIC, see page 1250. Electrodes, see page 1252.	
CHISEL, Hawley's, Fig. 4485.....	2 25
Plain, Fig. 4518.....	1 25
and Gouges, Sieler's.....	4 50
CLAMPS, Bosworth's, Fig. 4161.....	1 65
Delstanche's, Fig. 4241.....	7 50
Gouley's.....	3 75
COTTON HOLDER, see applicators.	
CONCHOTOME, Hartman's, Fig. 4235.....	7 50
CUP, Lente's Platinum, Fig. 4309.....	2 50
CURETTE, Boecker's, post-nasal, Fig. 4373.....	1 75
Brown's, Fig. 4412.....	1 50
Bosworth's, Fig. 4421.....	1 50
Fritsche's, Fig. 4404.....	2 25
Greene's, Fig. 4417.....	1 50
Gottstein's, post-nasal, Fig. 4375.....	1 75



NASAL INSTRUMENTS.

CURETTE, Gradle's, spoon.....	\$ 1 75
Hartmann's, post-nasal, Fig. 4400.....	2 00
Justi's, Fig. 4415.....	1 50
Leffert's, post-nasal, Fig. 4389.....	1 75
Lublinski's, Fig. 4406.....	2 50
Lowenberg's.....	1 75
Maier's, Knife, Fig. 4408.....	1 50
Schaffer's.....	1 75
Spiers', curved, Fig. 4298.....	75
Volkman's, Fig. 4419.....	2 25
DILATORS, Goodwillie's, soft rubber, Fig. 4158.....	60
Woake's.....	13 50
Yearsley's, elastic, Fig. 4510.....	40
See also "The Allen Surgical Pump," page 989.	
DOUCHE, Bridge's.....	60
Double, Pomeroy's, tips only, Fig. 4635.....	75
Fullgraff's.....	2 50
Glass fountain, Fig. 4627.....	75
Rumbolt's, catheter.....	3 75
Sawyer's.....	50
Shoemaker's.....	75
Syphon, Fig. 4629.....	75
Thudicum's, Pint, Fig. 4633, 60c.; Quart.....	75
Warner's, post-nasal, Fig. 4631.....	75
DRILLS, see page 1057.	
EECHONDRIOTOME, Brown's, Fig. 4542.....	8 50
ECRASEURS, see Snares.	
ELEVATORS, soft palate, see Retractors, page 1247.	
EXCISOR, Jarvis.....	3 75
EXTRACTOR, foreign body, Quier's, Fig. 4465.....	1 40
FORCEPS, Anterior, Curette, Ingals', Fig. 4255.....	2 25
Anterior, Curette, Greene's, Fig. 4194.....	2 50
" " Douglass'.....	2 60
" " Heynen's, Fig. 4196.....	3 00
" " Sawyer's.....	3 00
" " Noyes'.....	4 00
" " Shaffer's, Fig. 4192.....	3 00
" " Weir's, Fig. 4202.....	2 60
" Cutting, Ingals', Fig. 4255.....	2 25
" " Coomes's.....	3 00
" " Fraenkel's, Right or Left, Fig. 4231.....	3 00
" " Furnham's.....	5 00
" " Teets'.....	3 75
" " Knight's, Fig. 4220.....	2 25
" " Douglass', nasal membrane, Fig. 4218.....	2 60
" " Jarvis, cartilage, Fig. 4224.....	3 40
" " " rangeur.....	3 40



NASAL INSTRUMENTS.

FORCEPS, Anterior, Cutting, Prince's, post turbinated, Fig. 4197.....	\$ 2 50
Anterior Cutting, Septum, Roberts'.....	4 50
" " " Blandin's.....	4 50
" " " Boecker's, Fig. 4249.....	4 00
" " " Jarvis' mod. Steele's, Fig. 4257.....	6 40
" " " Sajou's, set of 5.....	9 00
" " " Steele's, latest.....	2 75
Dressing, Coome's.....	2 50
" Ingals', Fig. 4188.....	2 00
" Prince's.....	2 50
" Zaufel's, and scissors.....	10 00
Foreign body, Ingals', Fig. 4191.....	2 50
Gouging, Weir's, Fig. 4202.....	2 60
Polypus, Kennedy's, Fig. 4186.....	2 50
" Duplay's.....	2 00
" Gross', Fig. 4185.....	1 50
" Hartman's, Fig. 4190.....	1 75
" Harrison, Allen's.....	1 85
" Robinson's, Fig. 4198.....	2 50
" Plain, short.....	1 00
" Simrock's, Fig. 4200.....	1 50
" Woake's, right or left.....	3 00
Rhinoplastos, Adams', Fig. 4261.....	2 25
" Bosworth's.....	2 65
" Ingals',.....	2 25
Posterior, cotton holding, see sponge holding.	
Cutting, Casselberry's, Fig. 4204.....	3 25
" Cohen's, Fig. 4228.....	5 00
" F. C. Greene's, Fig. 4167.....	3 25
" Holbrook Curtis, Fig. 4208.....	3 40
" Gradle's, Fig. 4212.....	6 00
" Schutz', three sizes, Fig. 4222.....	4 00
" Warren's.....	3 50
" Turask's, Fig. 4230.....	4 25
" Zaufel's, with scissors, Fig. 4239.....	10 00
Curette, Brown's, Fig. 4236.....	3 25
" Cohen's, Fig. 4181.....	3 00
" Lowenberg's.....	3 25
" Woake's, Fig. 4173.....	4 00
Polypus, Cohen's, antero-posterior, Fig. 4183.....	3 00
" " lateral, Fig. 4246.....	2 50
" Fauvel's, Fig. 4169.....	3 25
" Kathis', Fig. 4177.....	3 00
" Lowenberg's.....	3 25
" Michael's, Fig. 4179.....	3 40
" Poltitzer's.....	3 40
" Schech's, Fig. 4175.....	5 00



NASAL INSTRUMENTS.

FORCEPS, Posterior Polypus, Stork's, Fig. 4171	\$ 2 50
Posterior Polypus, Wagner's, Fig. 4206	2 25
" " Woake's, Fig. 4173	4 00
" Sponge holding, Cohen's, three curves, Fig. 4214	3 00
" " Greene's, mod. Sajou's	3 00
" " Sajou's	3 00
Wire Cutting and twisting, Chamberlain's, Fig. 4245	2 50
GOUGES, Hawley's, Fig. 4485	2 25
Seiss', Fig. 4516	1 50
Fritsch's	1 25
Seiler's, set with chisels	4 50
Plain, Fig. 4520	1 25
HEAD BANDS, see Mouth and Throat Instruments.	
HOOKS, PALATE, see Retractors.	
INHALERS, see Mouth and Throat Instruments.	
Truax, Greene & Co's. Chloride ammonium, Fig. 4616	50
Gate's, Fig. 4614	50
Greene's, Fig. 4604	doz 1 50
INSUFFLATORS, Powder, see Powder Blowers.	
Truax, Greene & Co's, Fig. 4598	doz 75
Weir's, glass, Fig. 4606	60
KNIVES, Periosteal, Sajou's	1 15
Septum, Allen's, Fig. 4526	1 25
" Hardy's	1 60
" Ingals', Fig. 4524	1 00
" Seiler's, cartilage, double edge, Fig. 4531	1 25
MIRRORS, Plain, Pharyngeal, see Mouth and Throat Instruments.	
MOTOR, $4\frac{1}{2}$ volts, Edison's, complete, see page 438	42 00
NEEDLES, Hypodermic, for introducing cocaine into the nares, Fig. 4646	1 75
Transfixing, Jarvis', 3 sizes, Fig. 4323	each 25
PLOUGH, Woake's, nasal, Fig. 4522	1 85
PLUGS, hard rubber	pair 60
POWDER BLOWERS, see Mouth and Throat Instruments.	
PROBES, nickel-plated, Fig. 3964	50
PUNCH, Septum, see Cutting Forceps.	
RESERVOIR, Phillips', cotton, Fig. 4165	1 50
RETRACTORS, Soft Palate, plain, hard rubber, Fig. 4526	50
Hopman's, aluminum, Fig. 4458	2 50
Plain, Fig. 4472	1 25
" wire loop, Fig. 4476	1 00
Leffert's, Fig. 4460	1 50
Morgan's, Fig. 4454	1 50
Porcher's, Fig. 4453	2 25
Sajou's, Fig. 4445	1 50
H. E. Truax', Fig. 4450	2 50
White's, hinged, Fig. 4456	1 50
Winson's, self-retaining, Fig. 4452	3 50
RHINOPLASTOS, see Forceps, Rhinoplastos.	

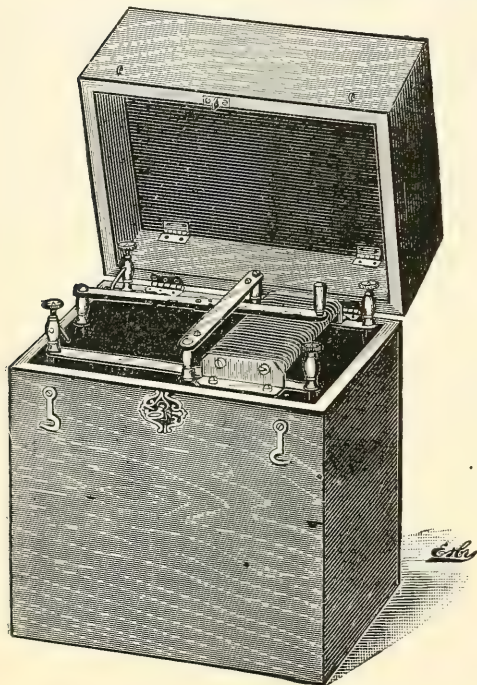


NASAL INSTRUMENTS.

RHINOSCOPES, Plain, Fig. 4441.....	\$ 0 50
Duplay's, Fig. 4431.....	5 00
Frankel's.....	4 50
Jarvis', Fig. 4429.....	3 50
Michel's, Fig. 4433.....	3 00
Rumbolt's.....	9 00
Stork's.....	3 00
SAWS, Brown's, Electric Motor, Fig. 4363.....	12 50
Bosworth's, straight, Fig. 4385.....	1 50
" up or down, Fig. 4383.....	1 50
Bucklin's, set of 2, Fig. 4369.....	2 00
Casselberry's, Fig. 4371.....	1 50
Ingals', Fig. 4387.....	1 50
Sajou's, cutting edge, up or down, Fig. 4381.....	1 50
" exostosis, straight, Fig. 4367.....	1 50
Webster's, set of 4, aseptic, Fig. 4365.....	3 50
SCISSORS, Casselberry's, serrated, Fig. 4263.....	4 00
Coomes's.....	4 00
Heynen's, Fig. 4266.....	3 00
Ingals', nasal dressing, Fig. 4276.....	2 50
" turbinated, bone, Fig. 4268.....	2 50
Potter's, Fig. 4265.....	3 00
Seiler's, Fig. 4270.....	2 00
Ingals', nasal bone, Fig. 4272.....	3 00
Sherwell's, Fig. 4243.....	3 50
Smith's, canula.....	3 75
Zaufel's with Forceps, Fig. 4239.....	10 00
SEPTOMETER, Seiler's, Fig. 4163.....	3 40
SNARES, Blake's.....	2 00
Bosworth's improved Fig. 4567, \$2.00; in case.....	3 00
Cohen's, Combination, Fig. 4548.....	3 75
Hobby's, Fig. 4544.....	5 00
Ingals, steel post, Fig. 4564, \$5.00; in case.....	6 00
Jarvis', straight, Fig. 4575.....	1 50
" two tips, straight and curved.....	1 75
McKenzie's, Fig. 4573.....	7 50
J. W. Nelson's, Fig. 4566.....	7 50
Sajou's modification of Jarvis', Fig. 4576, \$2.25; two tips.....	2 50
" Polypus, Fig. 4550.....	6 00
Wilde's, Fig. 4570.....	2 00
Wright's, Fig. 4546.....	7 50
SPATULAS, Ingals', set of 3, Fig. 4642.....	set 75
SPECULUMS, Allen's, set of 3.....	75
Bishop's, Fig. 4135.....	1 25
Bivalve, plain, Fig. 4146.....	1 00
" Ingals', Fig. 4137.....	1 25
Bosworth's, with shield for cautery.....	2 00
" Fig 4139.....	85

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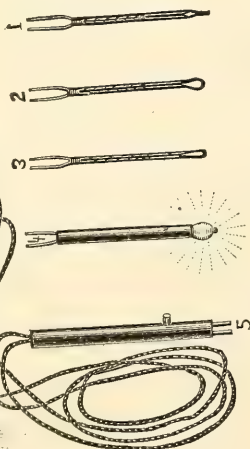
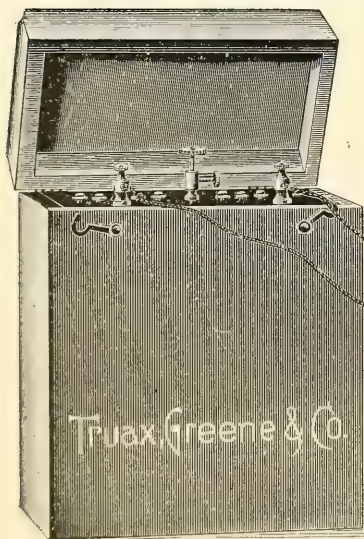


TRUAX,
GREENE
& CO'S

ACTUAL CAUTERY STORAGE BATTERY.

*For full description and prices, see
pages 414 and 415.*

THE FEDDERN CAUTERY BATTERY.



This Battery is far superior to any of the cheap Cautery Batteries in the market, besides being lower in price.

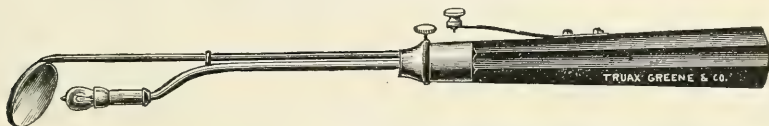
In addition to the Cautery Electrodes we supply a small electric lamp, which will be found invaluable for illuminating any of the cavities of the body.

Price of Battery with Conducting Cords, Universal Handles with interrupting button, one Cautery Point, one Cautery Curette, and one Cautery Knife:

Net.....	\$18 00
Electric Lamp, extra.....	3 50

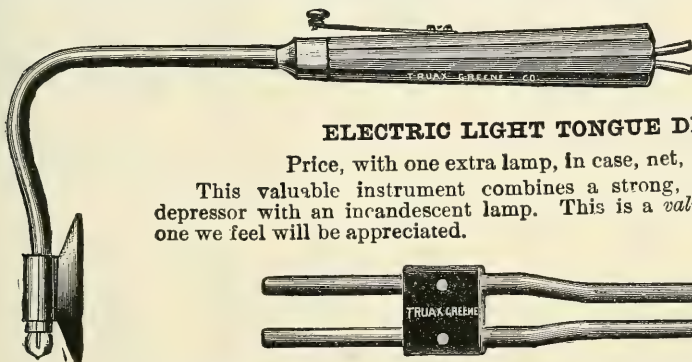
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ELECTRIC LARYNGOSCOPIC MIRROR. Net, \$7 50.

This is arranged so that any sized mirror may be used with the lamp. The lamps are attached by a screw, so that new ones may be supplied when needed.



ELECTRIC LIGHT TONGUE DEPRESSOR.

Price, with one extra lamp, in case, net, \$9 25.

This valuable instrument combines a strong, serviceable tongue depressor with an incandescent lamp. This is a *valuable combination*—one we feel will be appreciated.



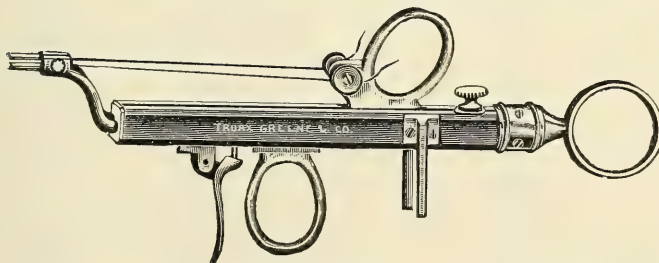
ADJUSTABLE HOLDER FOR PLATINA CAUTERY TIPS.

Each, net, \$2 00. Platina wire for use with same, per grain, \$0 05.

This handle is intended for the use of specialists who make their own tips. The milled nuts on the ends of the two rods are adjusted to a closing device to clamp No. 24 or 26 wire.

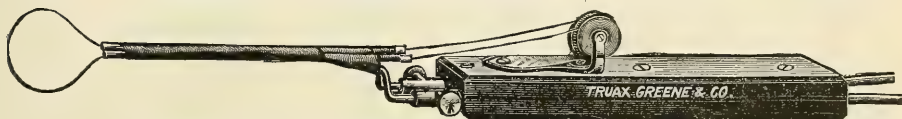


PLAIN CAUTERY HANDLE. Net, \$3 50.



This handle is adapted to all the purposes of the specialist. It is both a cautery holder and a cautery snare. By means of a trigger the current may be turned on or off with only a slight pressure.

SCHECH'S UNIVERSAL CAUTERY HANDLE. Net, \$10 00.

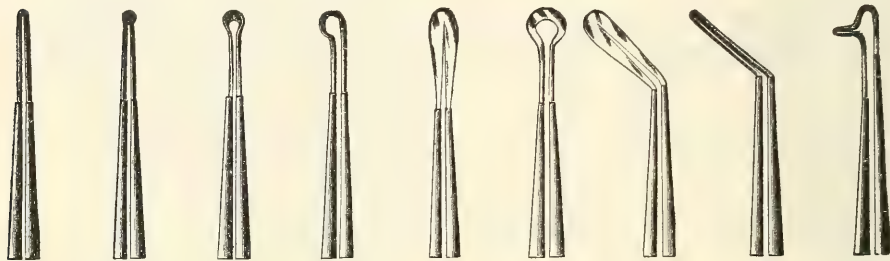


"AMERICAN" CAUTERY HANDLE, WITH WINDLASS. Net, \$7 50

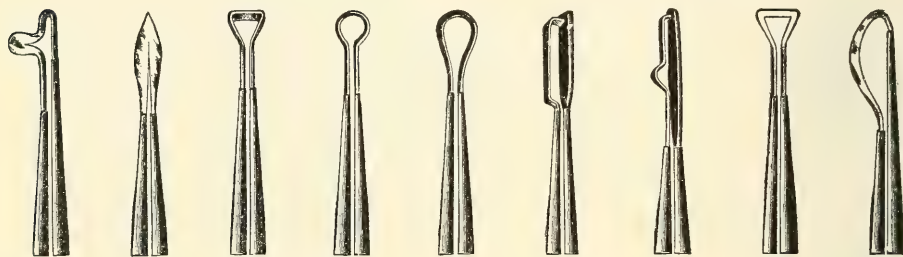
This is the well-known "Windlass" Universal Cautery Handle. It answers for snaring as well as holding electrodes.



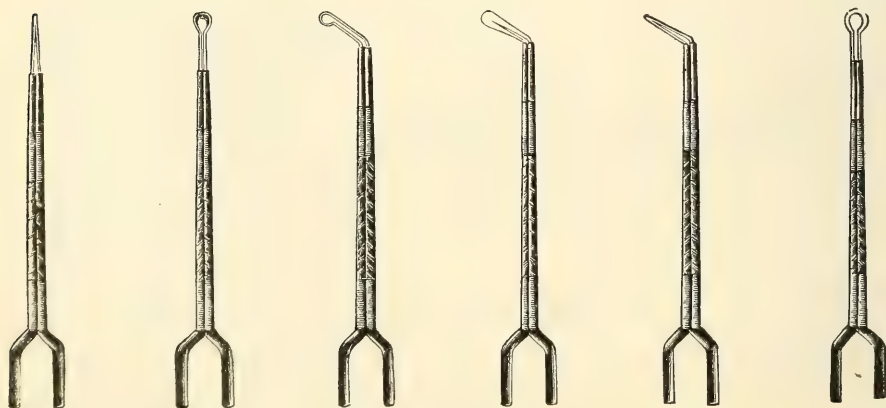
NASAL INSTRUMENTS.



Nos. 1 2 3 4 5 6 7 8 9
Cautery Electrodes with Platina knives or points, Nos. 1 to 9.....each, net, \$1 50



Nos. 10 11 12 13 14 15 16 17 18
Cautery Electrodes, with Platina knives or points, Nos. 10 to 18.....each, net, \$1 50



Nos. 19 20 21 22 23 24
Cautery Electrodes with Platina knives or points, Nos. 19 to 24.....each, net, \$1 50
These electrodes are finely finished, and constructed from the best of material; they are guaranteed equal to any made.

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NASAL INSTRUMENTS.

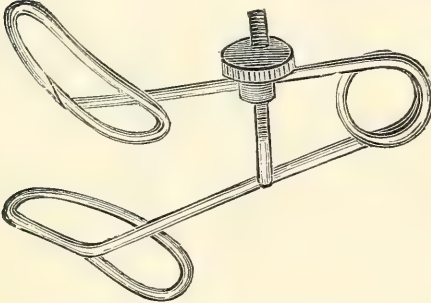


Fig. 4125. Folsom's Speculum, \$1.00
See page 1249.

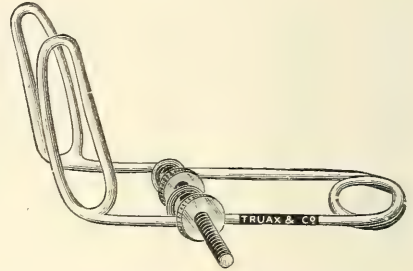


Fig. 4135. S. Bishop's Speculum, \$1.25.
See page 1248.

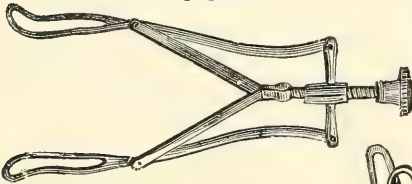


Fig. 4127. Frankel's Speculum, \$1.25.
See page 1249.

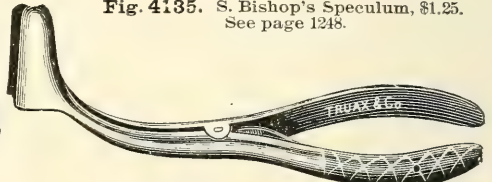


Fig. 4137. E. F. Ingals' Speculum, \$1.25.
See page 1249.



Fig. 4139. Bosworth's Speculum, 85c.
See page 1248.

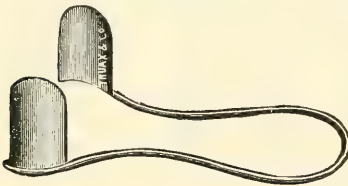


Fig. 4129. Thudicum's Speculum, 60c.
See page 1249.

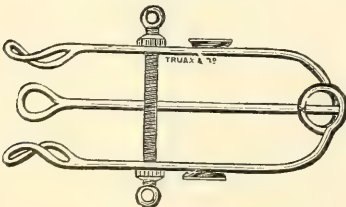


Fig. 4131. Sajou's Speculum, \$1.35.
See page 1249.

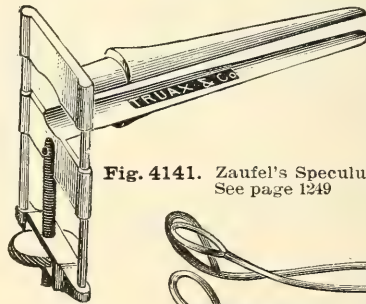


Fig. 4141. Zaufel's Speculum, \$3.00.
See page 1249



Fig. 4144. Goodwillie's Speculum, 60c.
See page 1249.

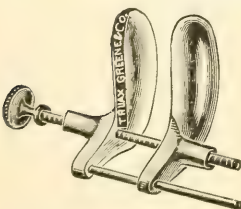


Fig. 4145. Spencer's Speculum, \$2.00. See page 1249.

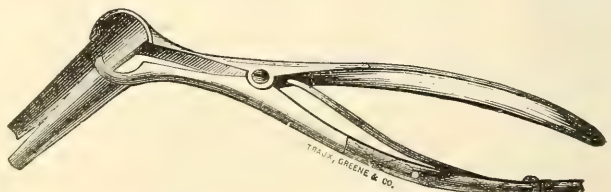


Fig. 4146. Bivalve Speculum, \$1.00. See page 1248.

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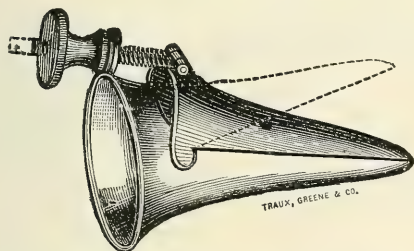


Fig. 4148. Robert & Collins' Speculum, \$1.50. See page 1249.

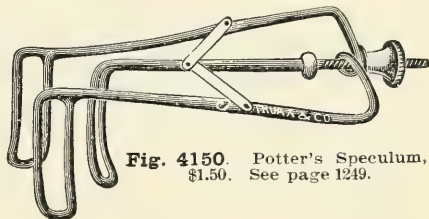


Fig. 4150. Potter's Speculum, \$1.50. See page 1249.

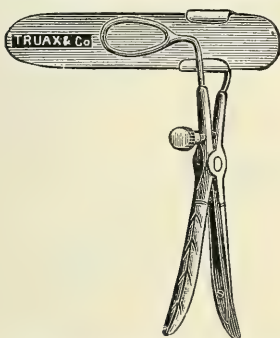


Fig. 4154. Shurley's Speculum, right and left, each \$2.50. See page 1249.

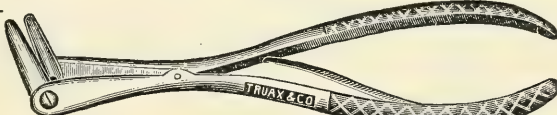


Fig. 4152. Rumbolt's Speculum, \$2.50. See page 1249.

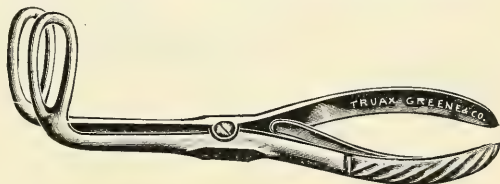


Fig. 4156. Schkotta's Speculum, \$2.50.



Fig. 4158. Goodwillie's Nasal Dilators or Tubes, 60c. See page 1244.

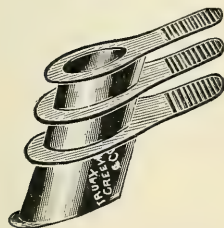


Fig. 4159. Simrock's Speculums, set of 3, \$2.00. See page 1249.

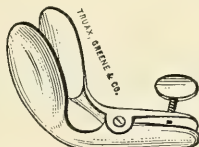


Fig. 4161. Bosworth's Clamp, \$1.65. See p. 1244.

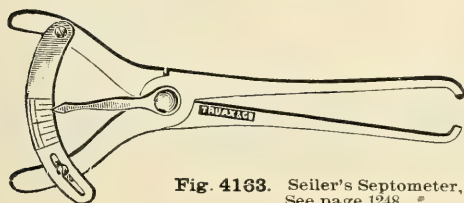


Fig. 4163. Seiler's Septometer, \$3.40. See page 1248.

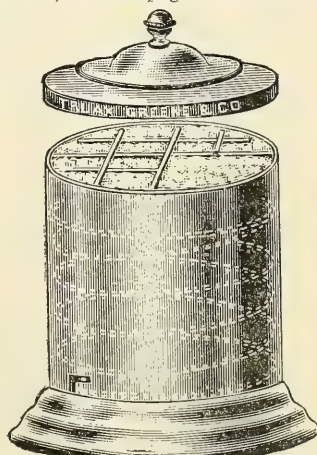


Fig. 4165. Phillip's Cotton Reservoir, \$1.50. For full description, see page 822.

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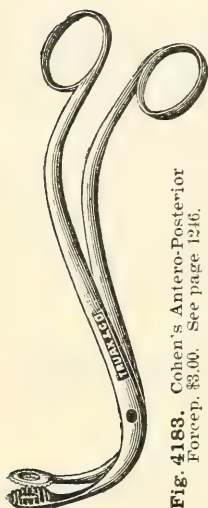


Fig. 4183. Cohen's Antero-Posterior Forcep. \$3.00. See page 1246.



Fig. 4167. Greene's Curette Forceps, \$3.25. See page 1246.

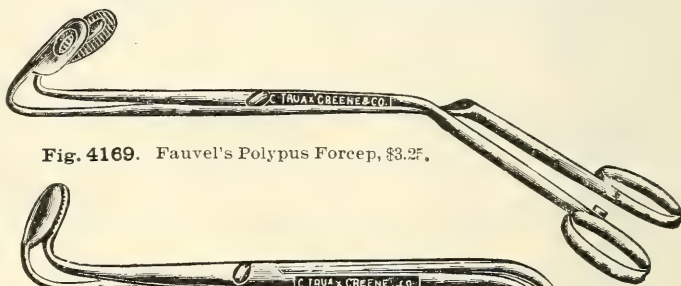


Fig. 4169. Fauvel's Polypus Forcep, \$3.25.

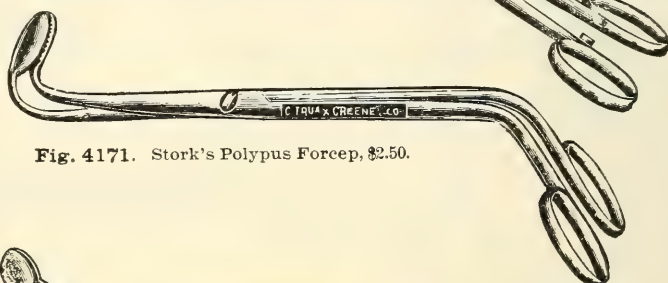


Fig. 4171. Stork's Polypus Forcep, \$2.50.

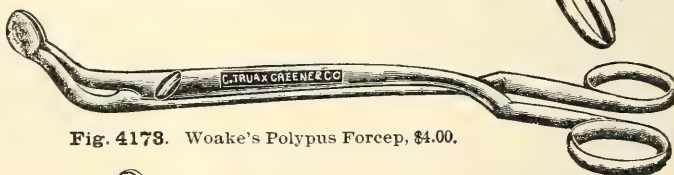


Fig. 4173. Woake's Polypus Forcep, \$4.00.

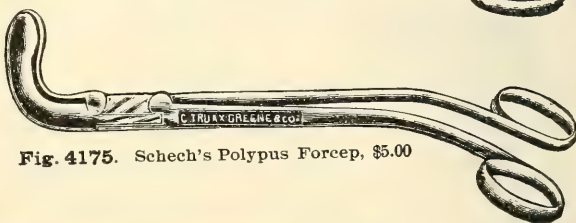


Fig. 4175. Schech's Polypus Forcep, \$5.00.

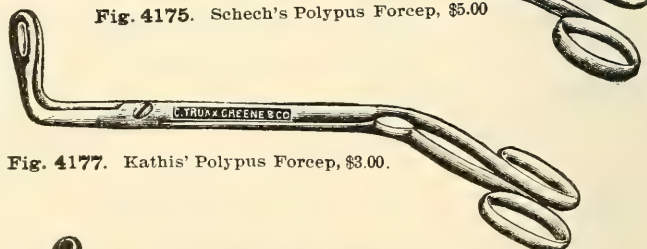


Fig. 4177. Kathis' Polypus Forcep, \$3.00.

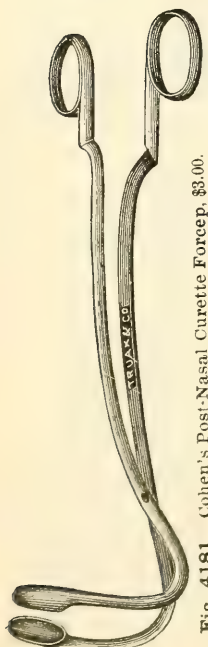


Fig. 4181. Cohen's Post-Nasal Curette Forcep. \$3.00. See page 1246.

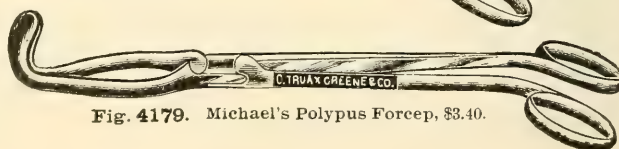
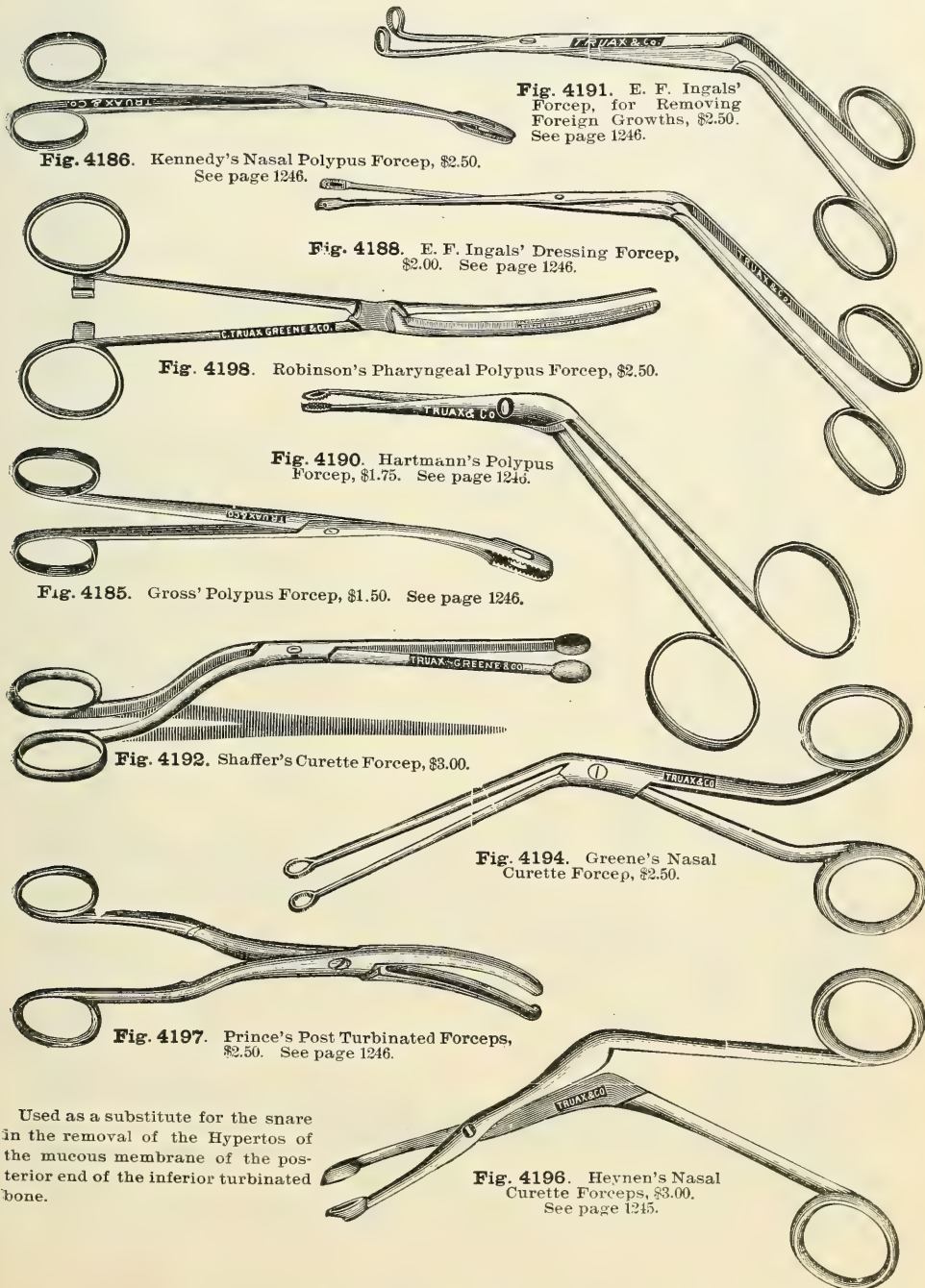


Fig. 4179. Michael's Polypus Forcep, \$3.40.



NASAL INSTRUMENTS.



Used as a substitute for the snare in the removal of the Hypertro of the mucous membrane of the posterior end of the inferior turbinated bone.

NASAL INSTRUMENTS.

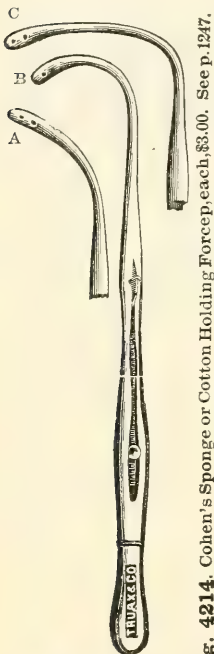


Fig. 4214. Cohen's Sponge or Cotton Holding Forcep, each, \$3.00. See p. 1247.

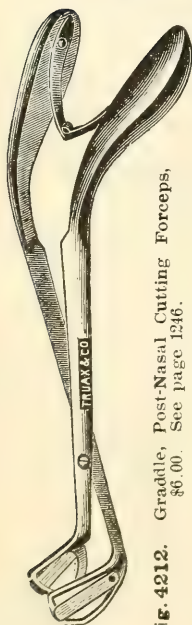


Fig. 4212. Grapple, Post-Nasal Cutting Forceps, \$6.00. See page 1246.

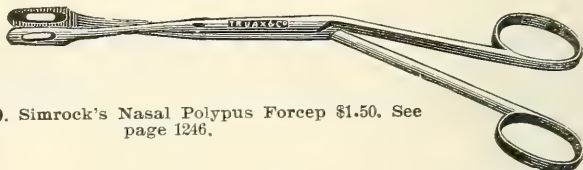


Fig. 4200. Simrock's Nasal Polypus Forcep \$1.50. See page 1246.

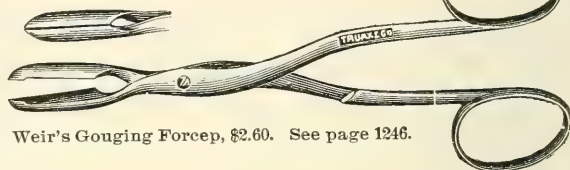


Fig. 4202. Weir's Gouging Forcep, \$2.60. See page 1246.

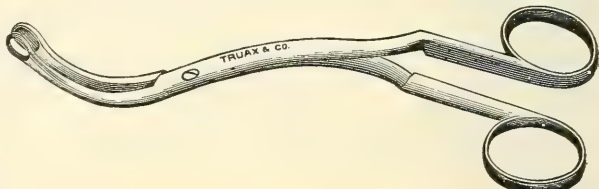


Fig. 4204. Casselberry's Cutting Forcep, \$3.25. See page 1246.

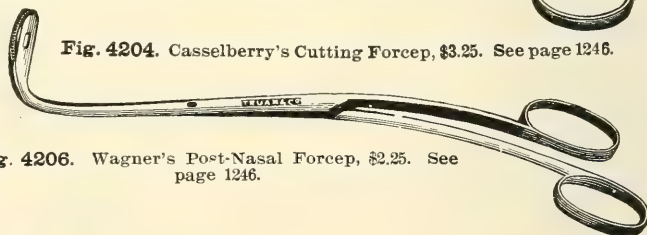


Fig. 4206. Wagner's Post-Nasal Forcep, \$2.25. See page 1246.



Fig. 4208. Holbrook Curtis' Post-Nasal Forceps, \$3.40. See page 1246.

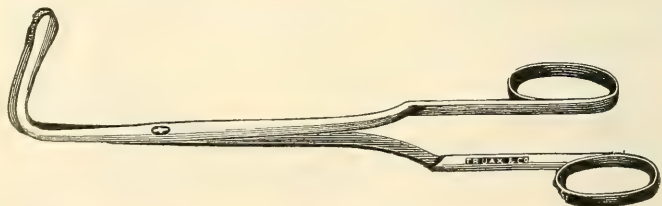


Fig. 4210. Cohen's Large Polypus Forcep, \$2.50. See page 1246.

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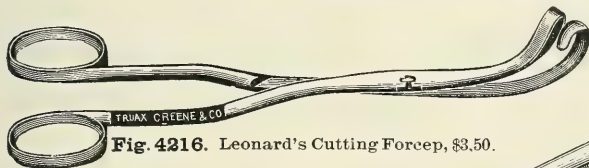


Fig. 4216. Leonard's Cutting Forcep, \$3.50.

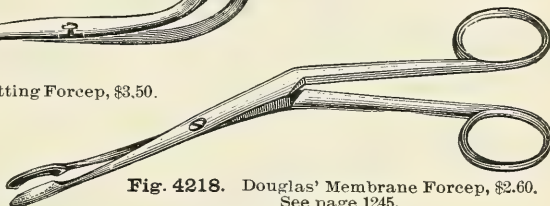


Fig. 4218. Douglas' Membrane Forcep, \$2.60.
See page 1245.

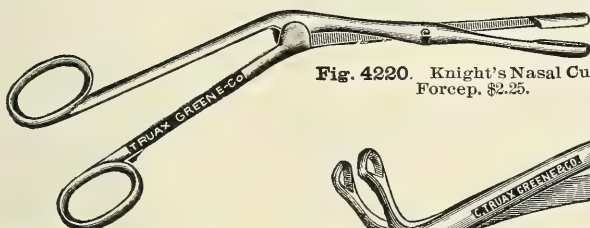


Fig. 4220. Knight's Nasal Cutting Forcep, \$2.25.

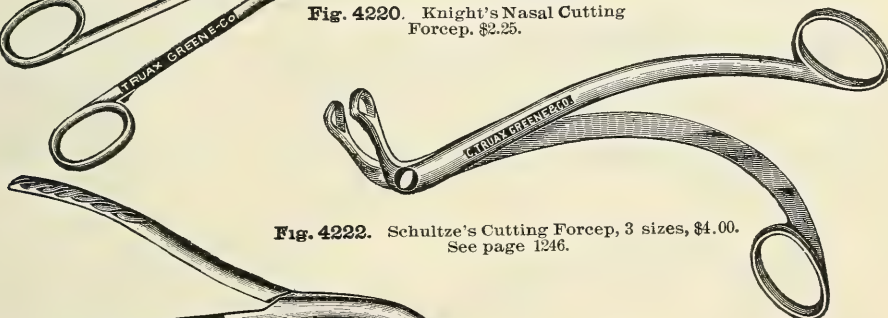


Fig. 4222. Schultze's Cutting Forcep, 3 sizes, \$4.00.
See page 1246.

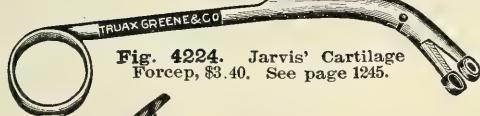


Fig. 4224. Jarvis' Cartilage Forcep, \$3.40. See page 1245.

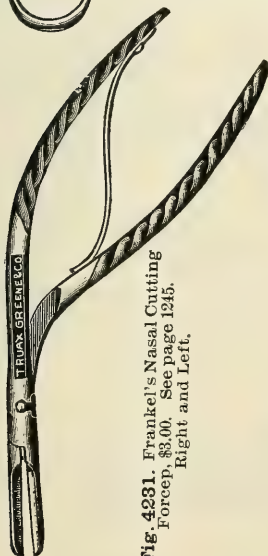


Fig. 4231. Frankel's Nasal Cutting Forcep, \$3.00. See page 1245.
Right and Left.

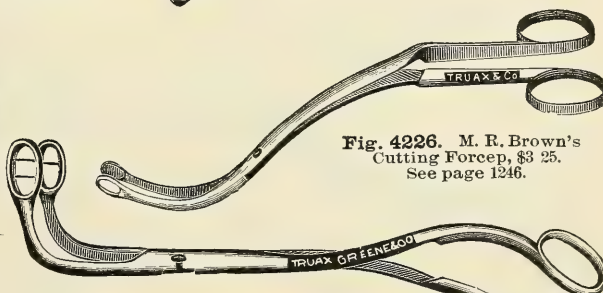


Fig. 4226. M. R. Brown's Cutting Forcep, \$3.25.
See page 1246.

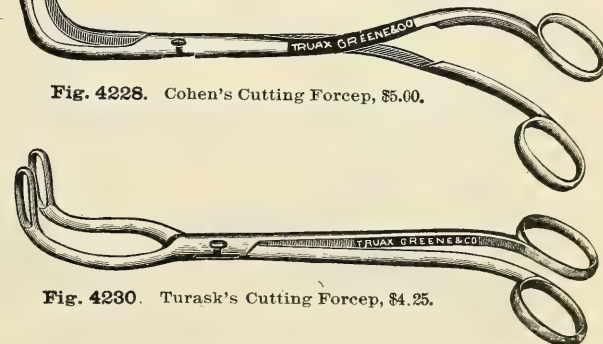


Fig. 4228. Cohen's Cutting Forcep, \$5.00.



Fig. 4230. Turask's Cutting Forcep, \$4.25.



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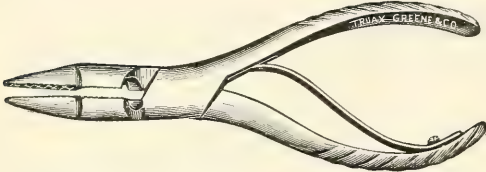


Fig. 4245. Chamberlain's wire cutting and twisting Forcep, \$2.50, See page 1247.

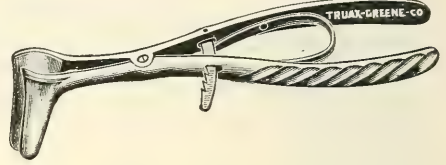


Fig. 4247. Owsley's Nasal Speculum, \$2.50.

Fig. 4233. Wilson's Mouse-tooth Dressing Forcep, \$2.50.

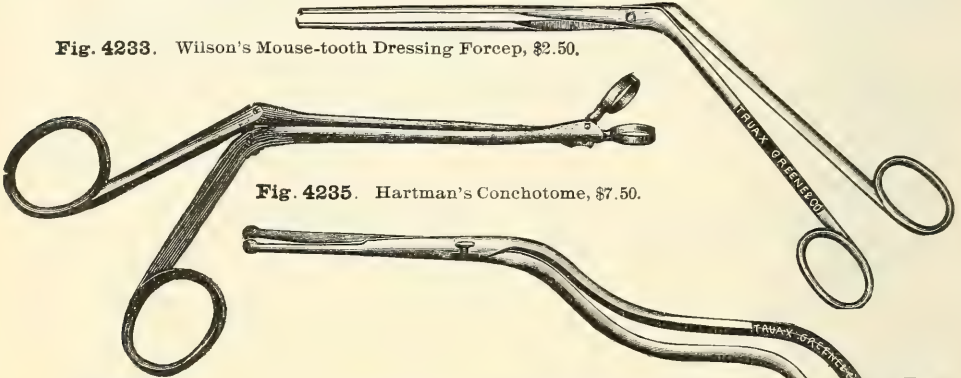


Fig. 4235. Hartman's Conchotome, \$7.50.

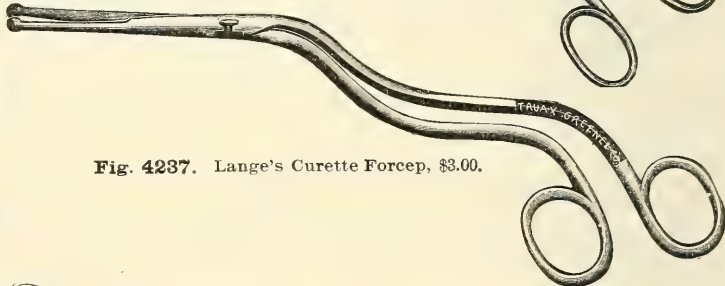


Fig. 4237. Lange's Curette Forcep, \$3.00.

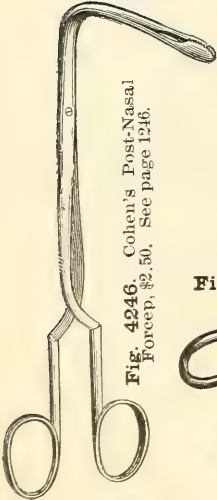


Fig. 4246. Cohen's Post-Nasal Forcep, \$2.50, See page 1246.

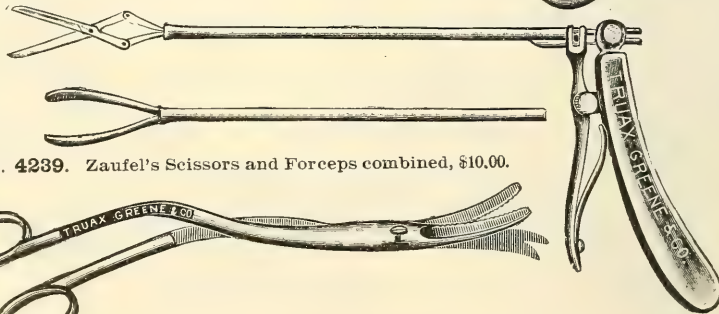


Fig. 4239. Zaufel's Scissors and Forceps combined, \$10.00.

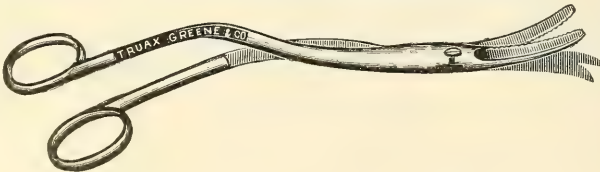


Fig. 4243. Sherwell's Scissor, \$3.50. See page 1248.

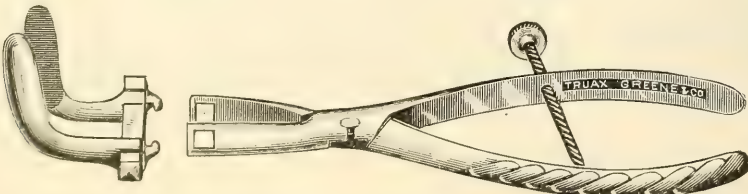


Fig. 4241. Delstanche's Clamps, set 3, with 1 handle, \$7.50. See page 1244.

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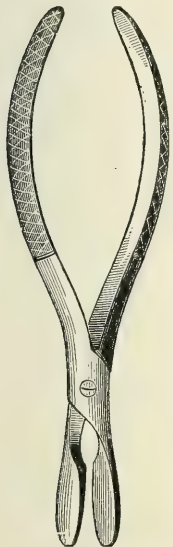


Fig. 4261. Adams' Original Rhinoplastos, \$2.25. See page 1246.

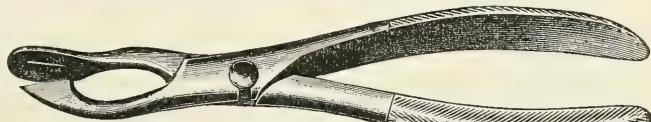


Fig. 4249. Boeker's Excising Forceps, \$4.00. See page 1246.

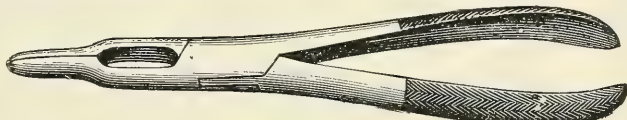


Fig. 4251. Adams' Septum Straightening Forceps, \$2.25.

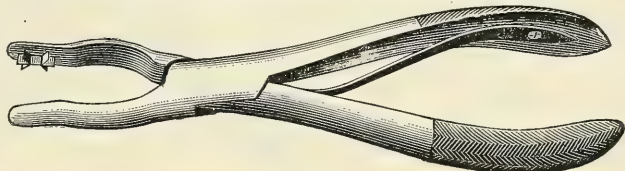


Fig. 4253. Steele's Plain Septum Forcep, \$3.00.

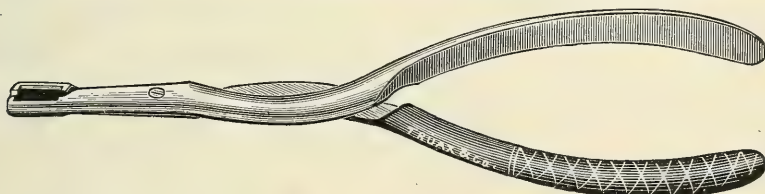


Fig. 4255. E. F. Ingals' Bone Cutting Forcep, \$2.25. See page 1245.

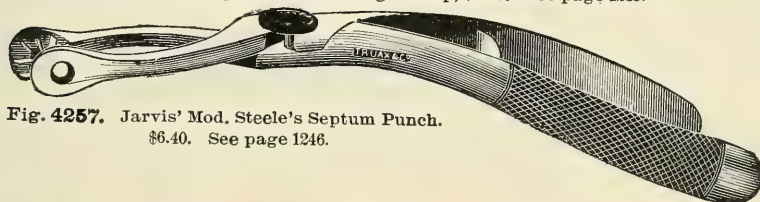


Fig. 4257. Jarvis' Mod. Steele's Septum Punch. \$6.40. See page 1246.

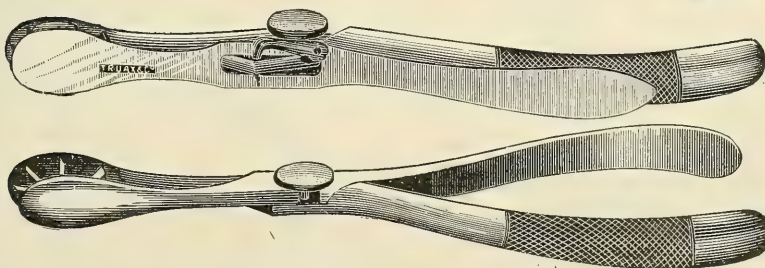


Fig. 4259. Steele's Septum Punch, \$7.50. Fig. A shows the Cutting Blade, with shield attached, ready for introduction.

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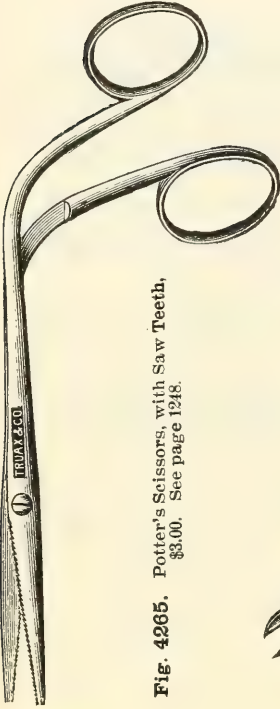


Fig. 4265. Potter's Scissors, with Saw Teeth, \$3.00. See page 1248.

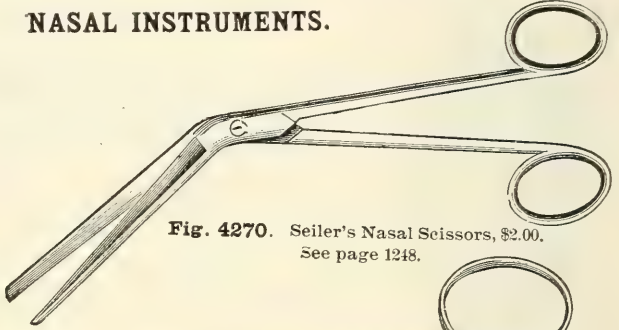


Fig. 4270. Seiler's Nasal Scissors, \$2.00. See page 1248.

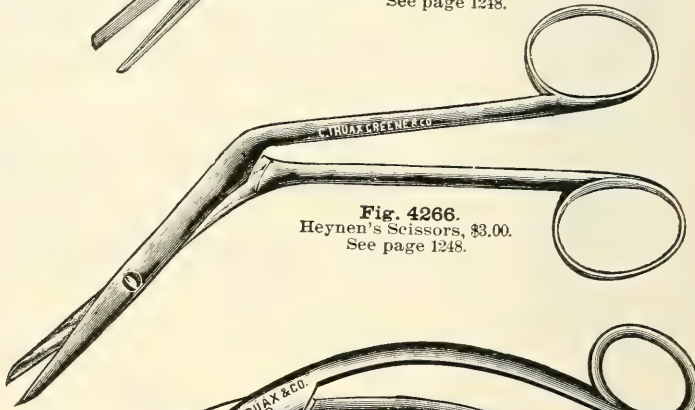


Fig. 4266. Heynen's Scissors, \$3.00. See page 1248.

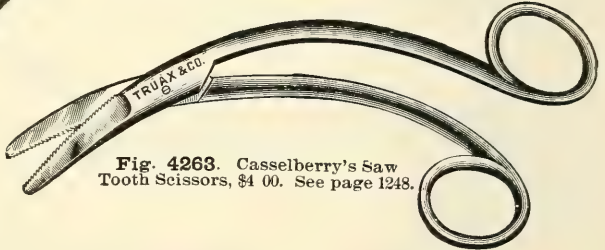


Fig. 4263. Casselberry's Saw Tooth Scissors, \$4 00. See page 1248.

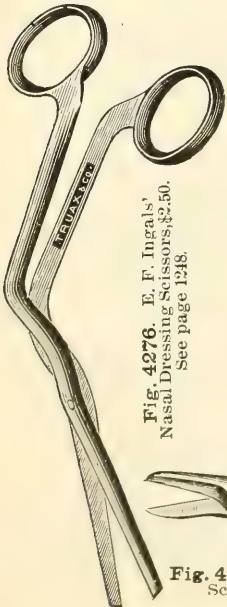


Fig. 4276. E. F. Ingals' Nasal Dressing Scissors, \$2.50. See page 1248.



Fig. 4268. E. F. Ingals' Turbinated Bone Scissors, \$2.50. See page 1248.

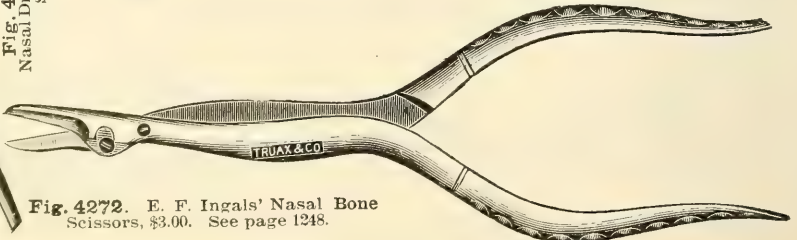


Fig. 4272. E. F. Ingals' Nasal Bone Scissors, \$3.00. See page 1248.

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Fig. 4323 Jarvis' Transfixion Needles, 3 patterns, each, 25c. See page 1247.

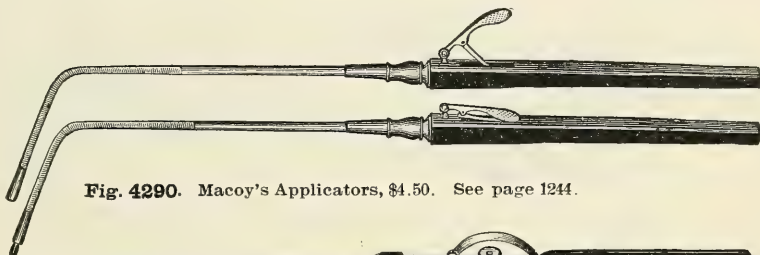


Fig. 4290. Macoy's Applicators, \$4.50. See page 1244.



Fig. 4293. Sajou's Chromic Acid Applicators, \$4.00. See page 1244.



Fig. 4294. Allen's Cotton Carrier, 25c.



Fig. 4295. Holcomb's Cotton Carrier, 25c.



Fig. 4296. Ingals' Cotton Carrier, 40c.



Fig. 4297. Dunn's Pure Silver Applicator, \$1.00. See page 1244.



Fig. 4298. Spiers' Curved Curette, 75c. See page 1244.



Fig. 4309. Lente's Platina Cup, \$2.50. See page 1244



Fig. 4311. Sajou's Posterior Pharyngeal Applicator, \$1.00. See page 1244.



Fig. 4314. Sajou's Acetic Acid Applicator, \$5.00. See page 1244

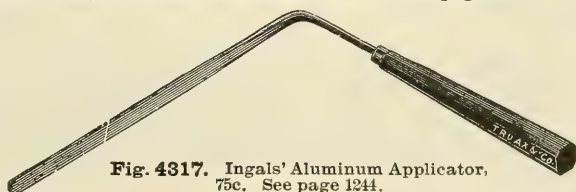


Fig. 4317. Ingals' Aluminum Applicator, 75c. See page 1244.

Fig. 4319. Ingals' Brush Holder, 75c. See page 1244.

Fig. 4320. Bosworth's Aluminum Applicator, 75c. See page 1244.



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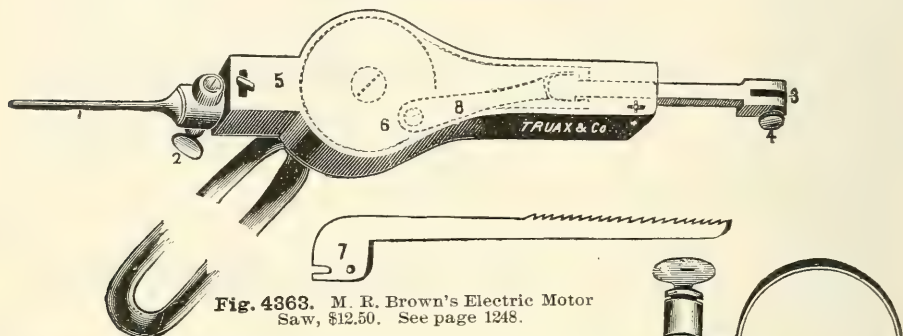


Fig. 4363. M. R. Brown's Electric Motor Saw, \$12.50. See page 1248.

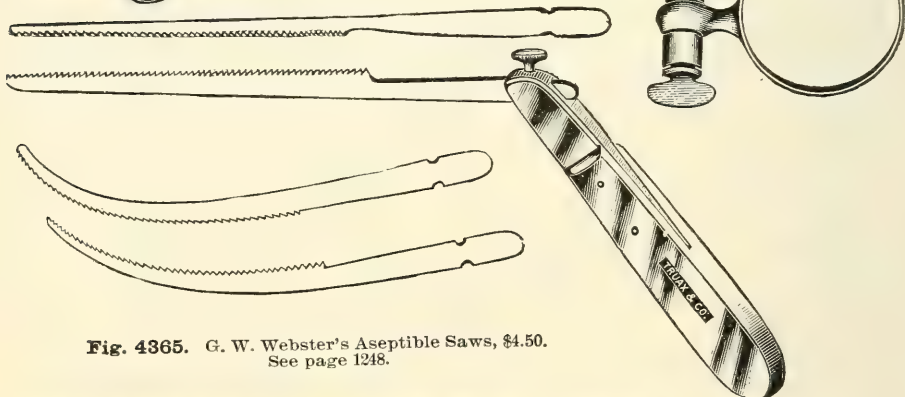


Fig. 4365. G. W. Webster's Aseptic Saws, \$4.50. See page 1248.



Fig. 4367. Sajou's Exostosis Saw, \$1.50. See page 1248.

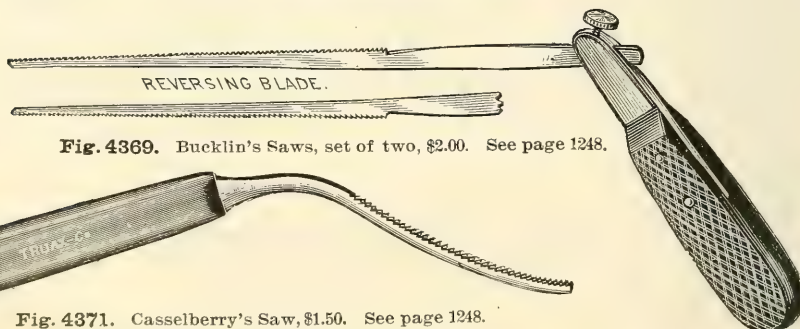


Fig. 4369. Bucklin's Saws, set of two, \$2.00. See page 1248.

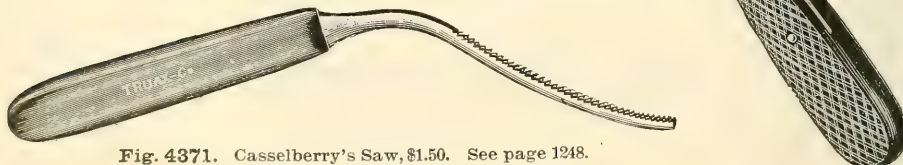


Fig. 4371. Casselberry's Saw, \$1.50. See page 1248.

The floor of the nose just within the anterior nares is not a perfectly horizontal plane, but is curved, with the convexity directed downward. The septal deformity is close to the floor and conforms to this curve, consequently a straight saw often cannot be introduced, while one curved, likewise, in conformity to the floor of the nose meets with no obstruction. The teeth of this saw, also, cut upon the pull and not upon the push, an advantage, for the reason that on the push it is sometimes necessary to insinuate its distal extremity carefully between parts, while on the pull its passage is free.

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Fig. 4391. Holbrook Curtis' Saw, \$1.50.

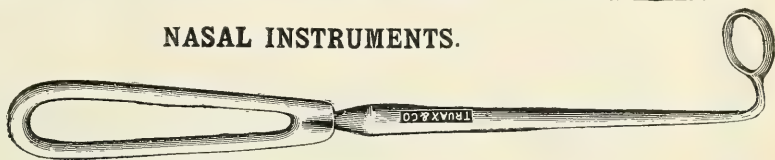


Fig. 4373. Boecker's Curette, \$1.75. See page 1244.

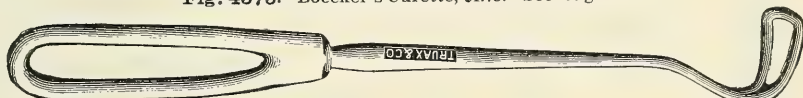


Fig. 4375. Gottstein's Post-Nasal Curette, \$1.75. See page 1244.

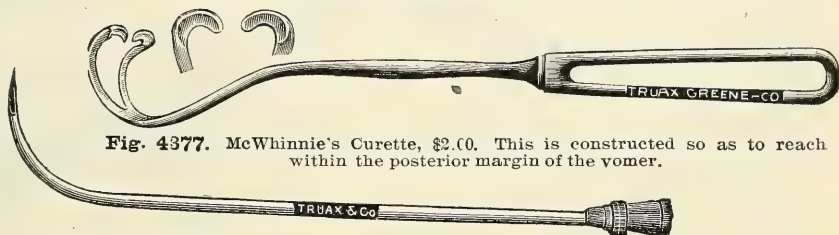


Fig. 4377. McWhinnie's Curette, \$2.00. This is constructed so as to reach within the posterior margin of the vomer.

Fig. 4379. Sajou's Retro-pharyngeal Trocar, \$1.50. See page 1249.

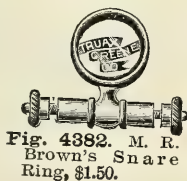


Fig. 4382. M. R. Brown's Snare Ring, \$1.50.

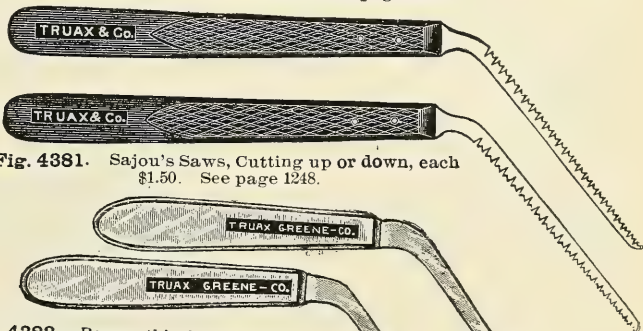


Fig. 4381. Sajou's Saws, Cutting up or down, each \$1.50. See page 1248.

Fig. 4383. Bosworth's Saws, up or down, \$1.50. See page 1248.

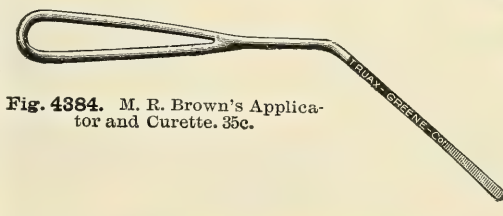


Fig. 4384. M. R. Brown's Applicator and Curette, 35c.



Fig. 4385. Bosworth's Straight Saw, \$1.50. See page 1248.



Fig. 4387. Ingals' Saw, \$1.50. See page 1248.

Fig. 4389. Lefert's Curette, \$1.75. See page 1245.



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Fig. 4421. Bosworth's Curette, \$1.50.

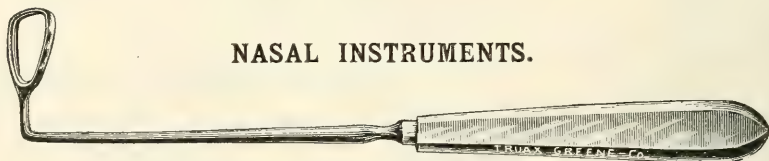


Fig. 4400. Hartman's Curettes, 2 sizes, each, \$2.00.

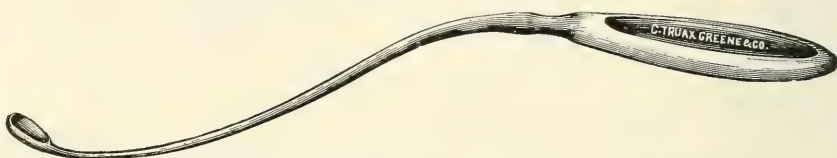


Fig. 4402. Lowenberg's Post-Nasal Curette, \$1.75. See page 1245.

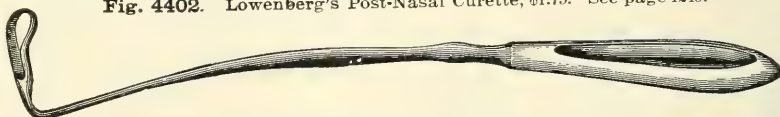


Fig. 4404. Fritsche's Curette, \$2.25. See page 1244.



Fig. 4406. Lublinski's Curette, with Revolving Tip, \$2.50.

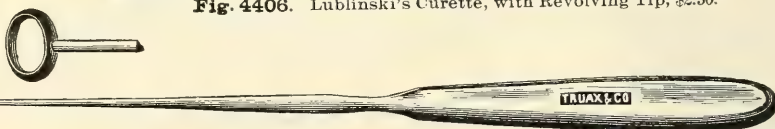


Fig. 4408. Maier's Curette, \$1.50. See page 1245.



Fig. 4410. Shafer's Curette, \$1.75. See page 1245.



Fig. 4412. Brown's Steel Curette, \$1.50. See page 1244.

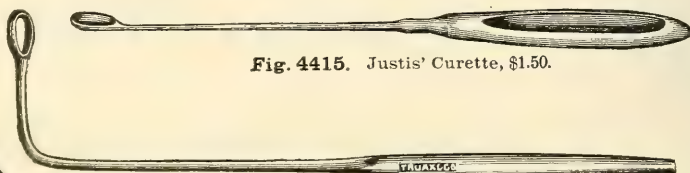


Fig. 4415. Justis' Curette, \$1.50.

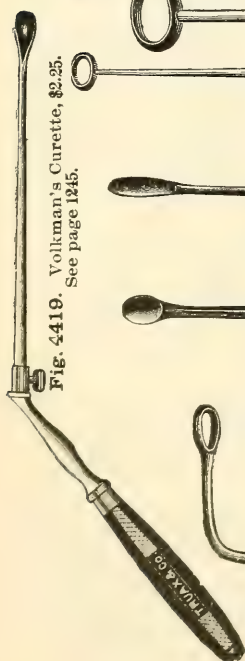


Fig. 4419. Volkman's Curette, \$2.25. See page 1245.

Fig. 4417. Greene's Dull Post-Nasal Curette, \$1.50. See page 1244.

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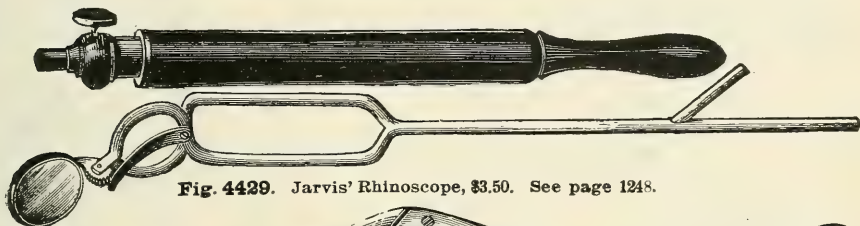


Fig. 4429. Jarvis' Rhinoscope, \$3.50. See page 1248.

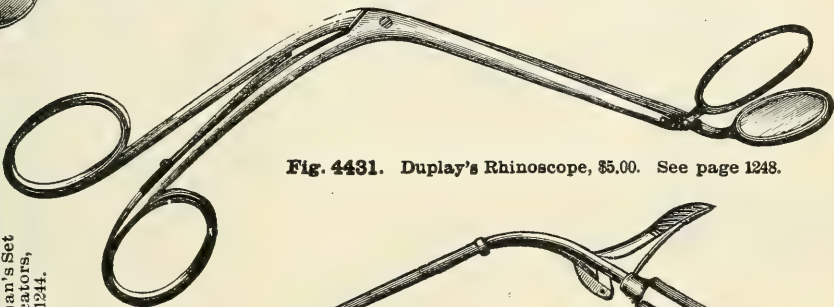


Fig. 4431. Duplay's Rhinoscope, \$5.00. See page 1248.



Fig. 4433. Michel's Rhinoscope, \$4.00. See page 1248.

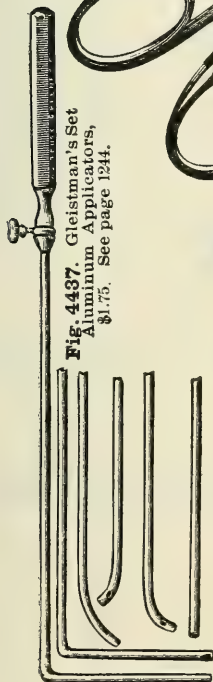


Fig. 4437. Gleitsman's Set Aluminum Applicators, \$1.75. See page 1244.

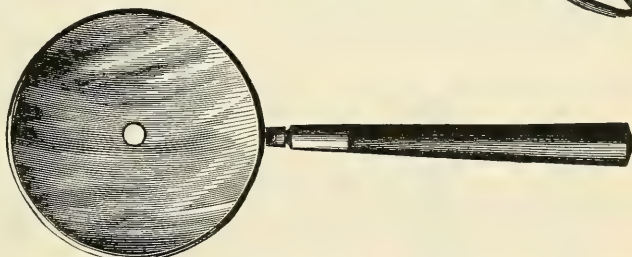


Fig. 4435. Mirrors, see Mouth and Throat Instruments. Page 1288.

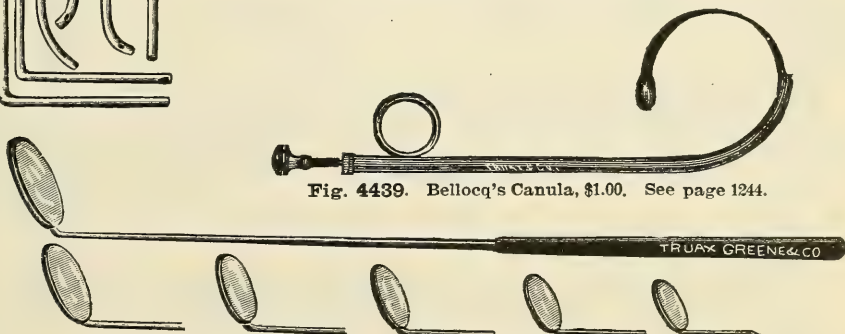


Fig. 4439. Bellocq's Canula, \$1.00. See page 1244.

Fig. 4441. Mirrors, Pharyngeal, best quality, 50c.

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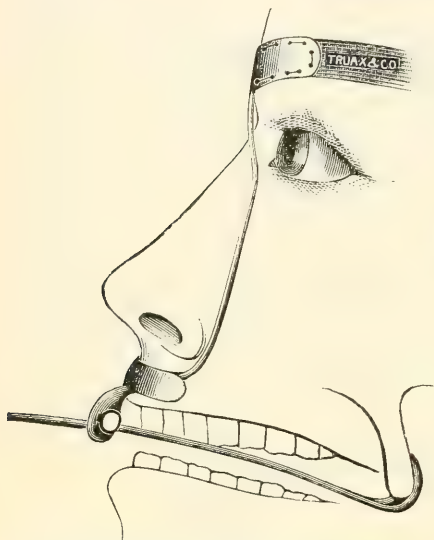


Fig. 4450. Dr. H. E. Truax' Self-Retaining Uvula Retractor, \$2.50; with 3 assorted Retractors, \$3.00.

This instrument possesses the advantage of being adjustable to all cases, child or adult. The pressure on the parts may be regulated at will, and it is so simple that it cannot get out of order.

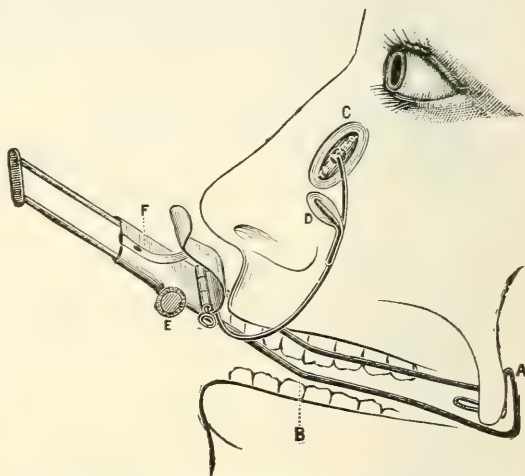


Fig. 4452. Wilson's Uvula Retractor, \$3.50. See p. 1247.

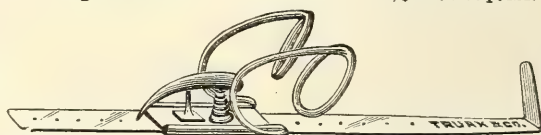


Fig. 4453. Porcher's Uvula Retractor, \$2.25. See page 1247.

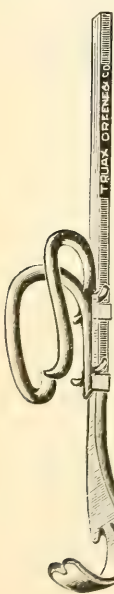


Fig. 4458. Hopman's Aluminum Uvula Retractor, \$2.50. See page 1247.



Fig. 4454. Morgan's Palate Retractor, \$1.50. See page 1247.



Fig. 4455. Sajou's Soft Palate Elevator, \$1.50. See page 1247.

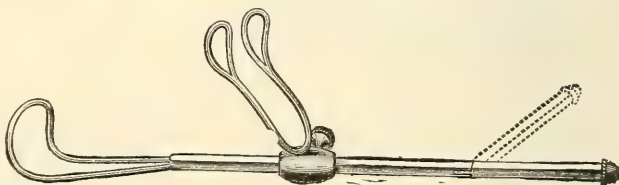


Fig. 4456. White's Uvula Retractor, \$1.50. See page 1247.



Fig. 4460. Leffert's Palate Retractor, \$1.50. See page 1247.

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Fig. 4526. Aller's Septum Knife, \$1.25. See page 1247.



Fig. 4510. Yearsley's Elastic Dilator, 40c. See page 1245.



Fig. 4472. Plain Palate Retractor, \$1.25. See page 1247.



Fig. 4476. Wire Loop Palate Retractor, \$1.00.

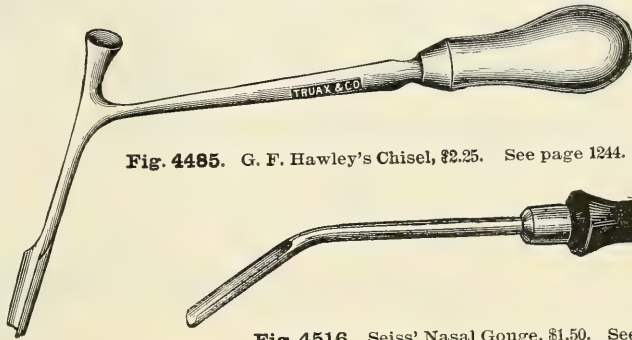


Fig. 4485. G. F. Hawley's Chisel, \$2.25. See page 1244.

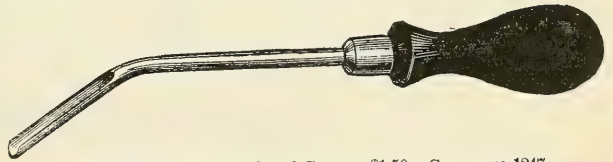


Fig. 4516. Seiss' Nasal Gouge, \$1.50. See page 1247.



Fig. 4520. Plain Nasal Gouge, \$1.25. See page 1247.



Fig. 4522. Woake's Plough, \$1.85. See page 1247.



Fig. 4524. Ingals Septum Knife, \$1.00. See page 1247.



Fig. 4529. F. C. Greene's Septum Knife, \$1.25.

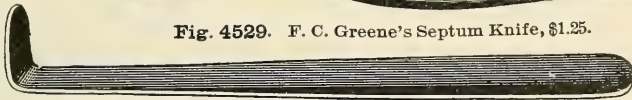


Fig. 4526. Plain Hard Rubber Palate Retractor, 50c. See page 1247.

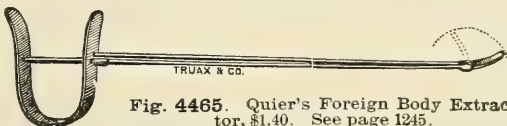


Fig. 4465. Quier's Foreign Body Extractor, \$1.40. See page 1245.



Fig. 4531. Seiler's Double Edge Cartilage Knife, \$1.25. See page 1247.



Fig. 4490. E. F. Ingals' Nasal Spud, \$1.00. See page 1249.



Fig. 4518. Plain Nasal Chisel, \$1.25. See page 1244.

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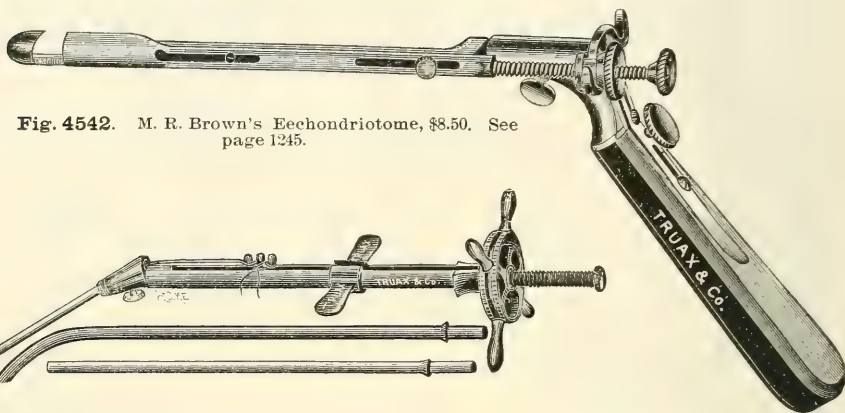


Fig. 4542. M. R. Brown's Eechondriotome, \$8.50. See page 1245.

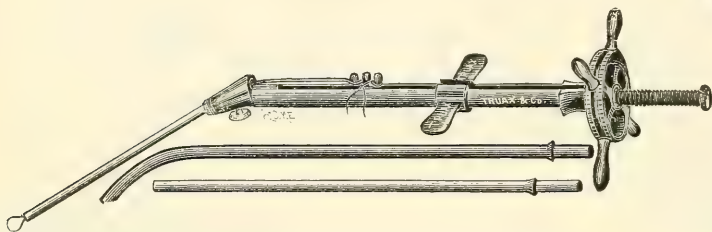


Fig. 4544. Hobby's Steel Snare, \$5.00. See page 1248.

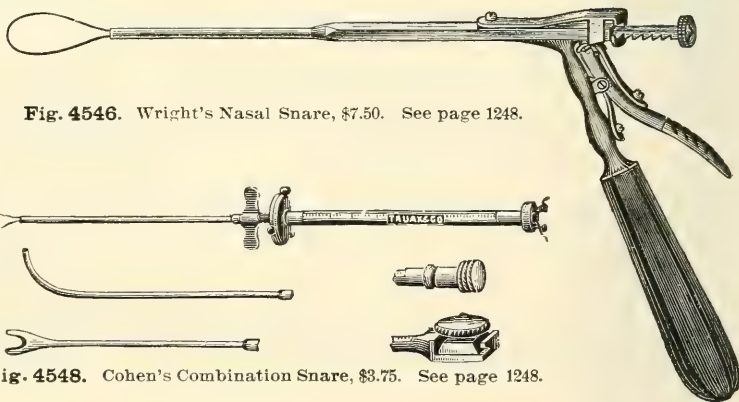


Fig. 4546. Wright's Nasal Snare, \$7.50. See page 1248.

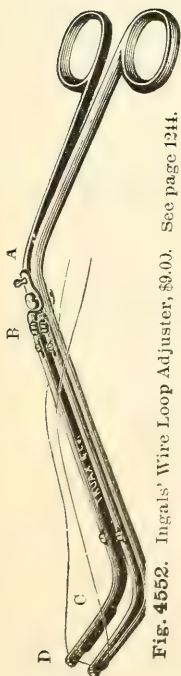


Fig. 4552. Ingals' Wire Loop Adjuster, \$9.00. See page 124.

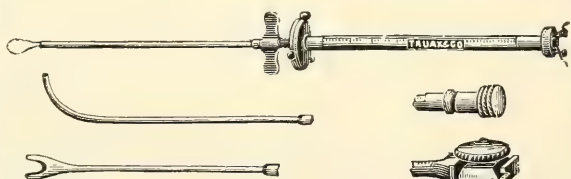


Fig. 4548. Cohen's Combination Snare, \$3.75. See page 1248.

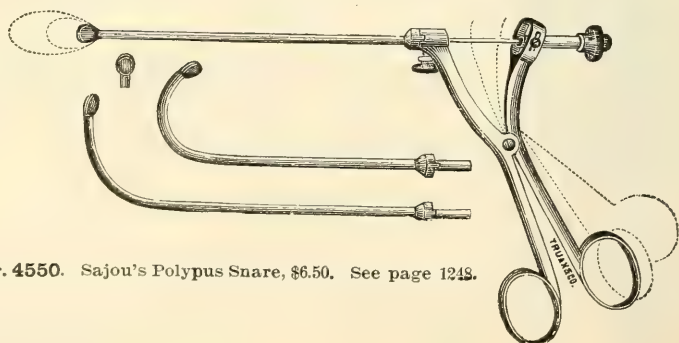


Fig. 4550. Sajou's Polypus Snare, \$6.50. See page 1248.

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Fig. 4576. Sajou's Modification of Jarvis' Snare, \$2.50; with extra curved tip, \$2.50. See page 1248.

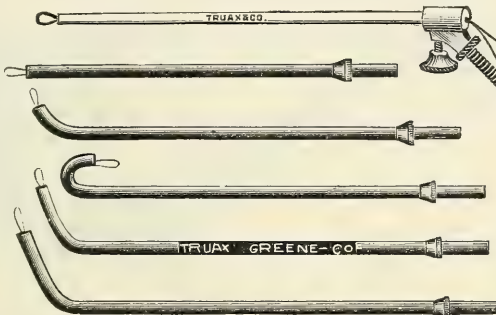


Fig. 4564. Ingals' Snare, Steel Post, with 6 Tubes, \$5.00. See page 1248.

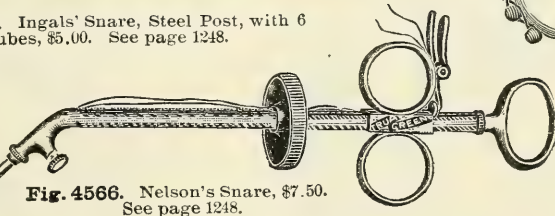


Fig. 4566. Nelson's Snare, \$7.50. See page 1248.

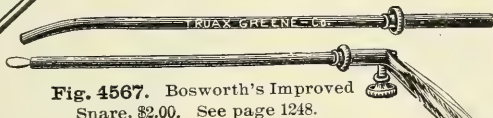


Fig. 4567. Bosworth's Improved Snare, \$2.00. See page 1248.

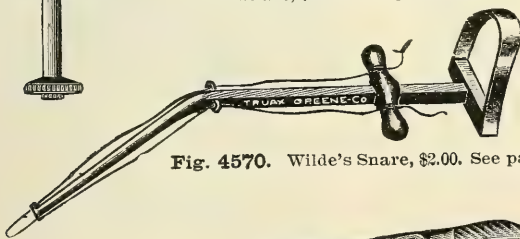


Fig. 4570. Wilde's Snare, \$2.00. See page 1248.

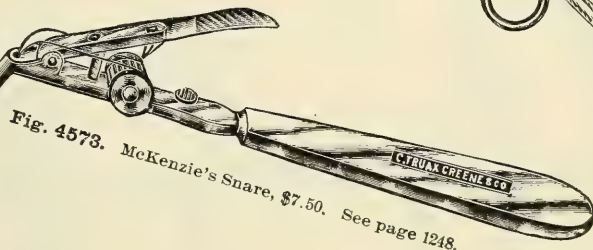


Fig. 4573. McKenzie's Snare, \$7.50. See page 1248.



Fig. 4575. Jarvis' Straight Snare, \$1.50; with Extra Curved Tip, \$1.75. See page 1248.

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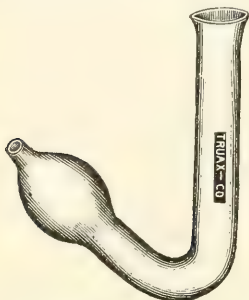


Fig. 4598. Truax & Co's Insufflators, doz. 75c. See page 1247.

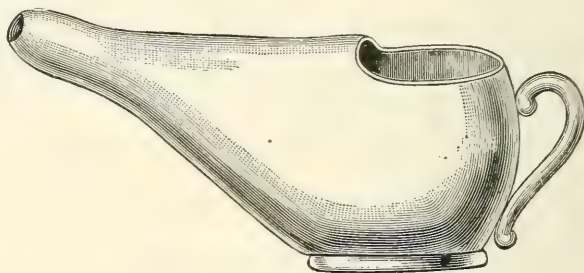


Fig. 4602. Dessaire's Nasal Douche Cups, 50c.

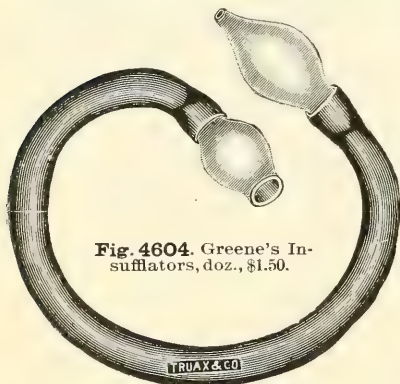


Fig. 4604. Greene's Insufflators, doz., \$1.50.

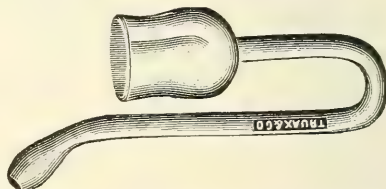


Fig. 4606. Weir's Insufflator, 60c. See p. 1247.

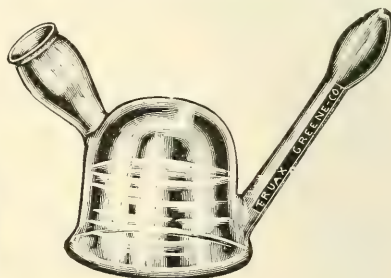


Fig. 4614. Gates' Insufflators, 50c. See page 1247.

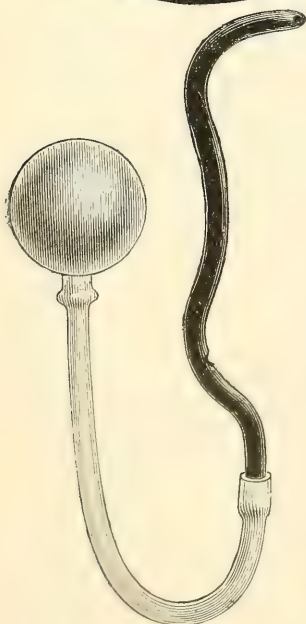


Fig. 4608. Sajou's Antero-Posterior Powder Blower, 90c.



Fig. 4612. Sajou's Nasal Powder Blower, for patients, net, 50c.

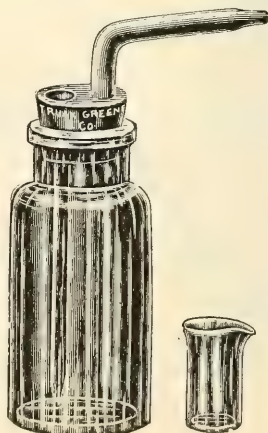


Fig. 4616. Truax, Greene & Co's Chloride Ammonium Inhaler, 50c.; doz., \$5.00. See page 1247.

CHAS. TRUAX & CO. GREENE & CO.

NASAL INSTRUMENTS.

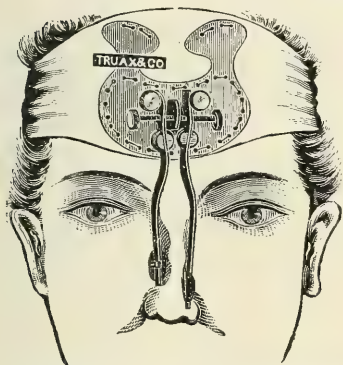


Fig. 4624. Truax' Adjustable Septum Brace, price to patients, \$10.00. See page 1244.

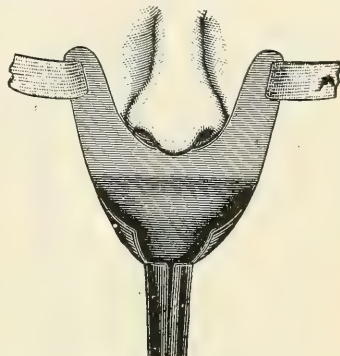


Fig. 4626. Ingals' Nasal Spout, \$2.00. See page 1249.



Fig. 4627. Glass Fountain Douche. Price to patients, \$1.00. See page 1245.

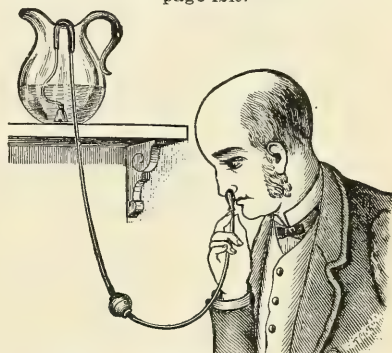


Fig. 4629. Syphon Douche. Price to patients, \$1.00. See page 1245.

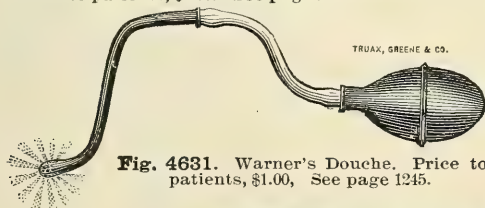


Fig. 4631. Warner's Douche. Price to patients, \$1.00. See page 1245.

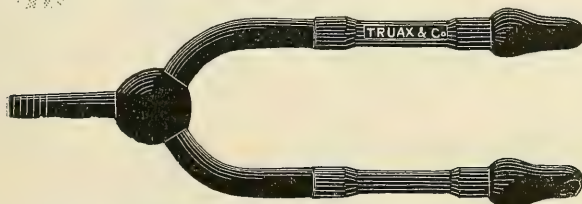


Fig. 4635. Pomeroy's Douche Tips, 75c. See page 1245.

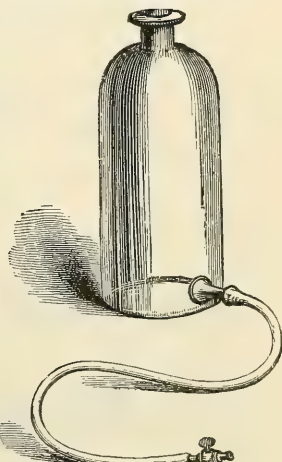


Fig. 4633. Thudicum's Douche. Price to patients, \$1.00. See p. 1245.

NASAL INSTRUMENTS.

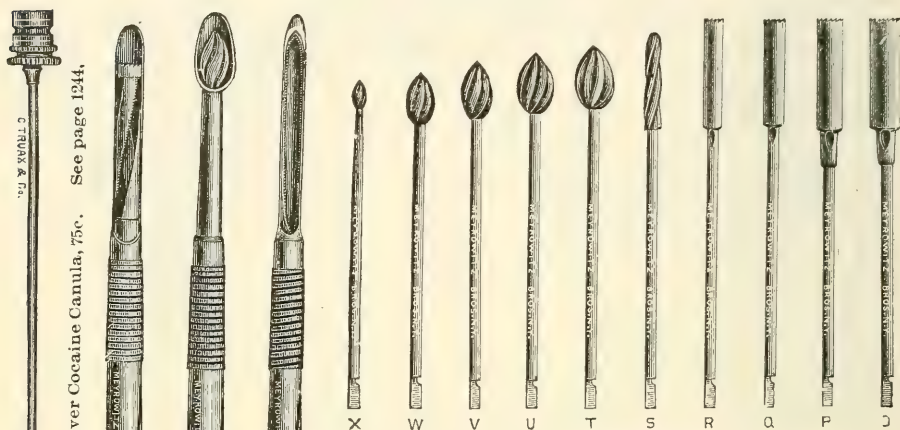


Fig. 4646. Ingals' Pure Silver Cocaine Canula, 75c. See page 1244.

Fig. 4636. Sheaths for Electric Burs, each \$3.00.

Fig. 4638. Electric Burs and Trephines, each \$1.50.

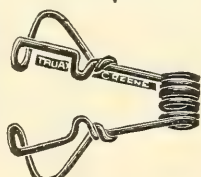


Fig. 4641. Devilbiss' Dilator. 50c.



Fig. 4640. Bishop's Inner Ear Mediator, without Cut-off, \$1.00.

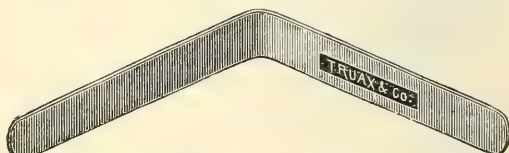


Fig. 4642. Ingals' Nasal Spatulas, set of three, 75c. See page 1248.



Fig. 4644. Feldbausch's Silver Dilator for Alae Nasi \$1.00.

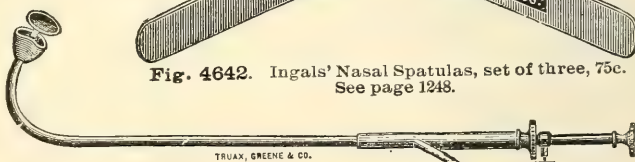


Fig. 4648. Bosworth's Applicator, for Chromic Acid, \$4.50. See page 1244.



Fig. 4650. Leffert's Syringe, Nasal and Post-Nasal, \$1.50. See page 1249.



Fig. 4652. Hard Rubber Catarrhal Syringe, 85c.

HARE-LIP INSTRUMENTS.

CANULAS, Southey's, Fig. 4672.....	\$ 2 50
CONDUCTORS, Pin, Buck's, plain folding.....	75
Post's, plain folding.....	75
CLAMP, Prince's.....	2 25
FORCEPS, Hutchinson's, Fig. 4668.....	2 25
Parallel.....	6 75
Stimpson's, pin, cutting.....	2 75
Smith's.....	3 75
NEEDLES, Hare-lip, Fig. 4673.....doz	1 00
PIN, Buck's, 1 to 2 inch., Fig. 4674.....doz	05
2½ inch.....doz	10
3 ".....doz	15
Canulated, silver, Fig. 4670.....each	35
Plastic, lance point.....doz	25
SCALPELS, see page 1064.	
SCISSORS, Angular, Fig. 4671.....	.75c. to 1 25
Straight.....	.65c. to 1 00
TRUSS, Hainsby's (made to order), Fig. 4669.....	4 50

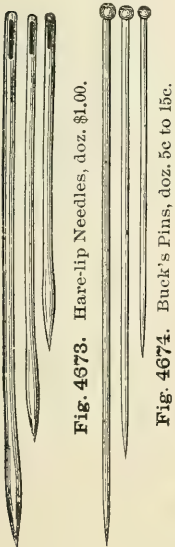


Fig. 4668. Hutchinson's Hare-lip Forcep, \$2.25.

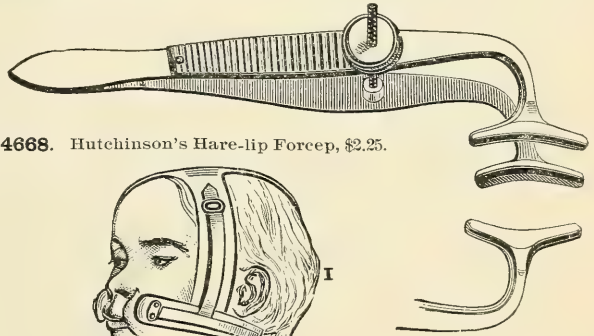


Fig. 4669. Hainsby's Hare-lip Truss, \$4.50.

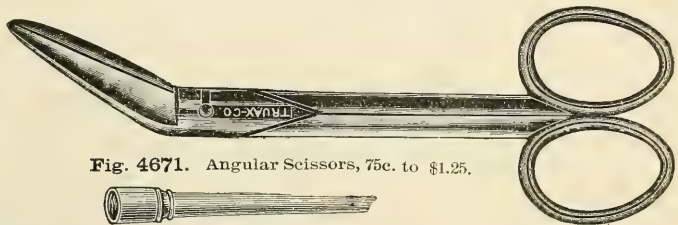


Fig. 4671. Angular Scissors, 75c. to \$1.25.

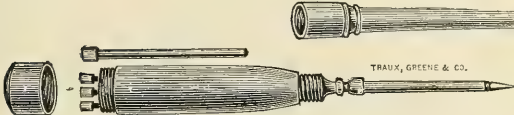


Fig. 4672. Southey's Canulas, \$2.50. See above.

Fig. 4670. Hare-lip Pin, with Silver Canula, 35c.



MOUTH AND THROAT INSTRUMENTS.

AIR COMPRESSORS, see page 1311.

AIR PUMPS, see page 1312.

AIR RECEIVERS, see Receivers, page 1316.

APPLICATORS, Laryngeal, Dunn's, silver, Fig. 5419.....	1 50
Elsberg's, cotton, Fig. 5195.....	4 50
McCoy's, Fig. 4290.....	4 00

ATOMIZERS.

Single bulb, American, Fig. 4924.....	2 00
“ Atlas Rubber Co's, No. 1, Fig. 4860.....	90
“ Camenthol, Fig. 4799.....each 75c. doz	8 00
“ Davidson's No. 53, Fig. 4845.....	1 10
“ “ “ 63, Fig. 4847.....	75
“ “ “ 64, Fig. 4848.....	75
“ “ “ 50, Fig. 4853.....	1 15
“ “ “ 59, Fig. 4857.....	1 75
“ Davol Rubber Co's., “Magic” full line at wholesale rates.	
“ Delano's for oil No. 548. Fig. 4858.....each 80c. doz	9 00
“ Devilbiss', Fig. 4737.....	1 50
“ “ for vaseline.....	1 50
“ Lavoline, Fig. 4797.....each 75c. doz	8 00
“ Tyrian, No. 15, Fig. 4859.....	80
“ “ No. 2, Fig. 4858.....	1 00
“ Truax, Greene & Co's., glass tube, see page 1336.....	1 25
“ “ metal tube, see page 1336.....	1 00
“ “ rubber tube, Fig. 4865.....	1 00
“ “ No. 13, see Fig. 4865, each \$1.00, doz	11 00
“ W. T. & Co's., No. 10, Fig. 4828.....	1 25
“ “ Phenix Throat, Fig. 4810.....doz.	7 00



MOUTH AND THROAT INSTRUMENTS.

ATOMIZERS.

Single bulb, W. T. & Co's, Phenix Larynx, Fig. 4811.....	doz	\$7 00
“ “ “ Nasal, Fig. 4812.....	doz	7 00
“ “ Vaseline, Fig. 4826.....	doz	8 00
“ “ No. 15, Fig. 4830.....	each	1 25
“ “ No. 10, Fig. 4828.....		1 25
Double bulb, Davidson's, No. 61, Fig. 4851.....		2 25
“ Hall's, Fig. 4869.....		1 50
“ Leffert's, Fig. 4923.....		2 00
“ Richardson's, Fig. 4867.....		1 50

ATOMIZING BULES, single, white, same as Fig. 4865.....		35
Double, same as Fig. 4869.....		60
“ pure gum and net, same as Fig. 4958.....		75
To use with foot, Fig. 4873.....		4 50
ATOMIZER, steam, Truax, Greene & Co's, No. 1, Fig. 4796.....		3 50
Truax, Greene & Co's, No. 2, Fig. 4798.....		2 00
W. T. & Co's., Phenix, \$3.75, nickel-plated.....		4 50

For extra parts for Steam Atomizers, see Repairs, page 924.

ATOMIZER TUBES, any pattern, glass.....		20
“ “ “ “ silver.....		1 50
BATH, hot air, plain, Fig. 5105.....		3 75
Danforth's, Fig. 5107.....		3 75
BISTOURY, Staphylorrhaphy, double edge.....		1 75
Staphylorrhaphy, Updegraff's, Fig. 5440.....		1 25
Tonsil, Green's.....		1 00
BLUNT HOOK, Staphylorrhaphy, Updegraff's, Fig. 5436.....		1 25
BOUGIES, plain, cylindrical, Fig. 5471.....		85
“ olive tip.....		1 00
Dilators, in sets, see Dilators.		
BRACKETS, Gas and Lamp, see pages 1323 to 1326.		
BRUSHES, Camel's Hair, ordinary, assorted.....	doz	20
Glass, for applying acids, Fig. 5420.....	each	20
BRUSHES, Throat, Quill, bent, Fig. 5416.....	doz	90
Throat, wire handle, silk wound, Fig. 5418.....	doz	1 00
“ for Wagner's holder, Fig. 5421.....	doz	1 25
BRUSH HOLDERS, Ingals', Fig. 4319.....		75
Leffert's.....		1 90
Mackenzie's, pliable, with one brush, Fig. 5423.....		75
Noyes'.....		1 70
Wagner's, with two stems and 12 brushes, Fig. 5421.....		2 00
BUCKET, Einhorn's silver for removing a small quantity of fluid from the stomach, Fig. 5397.....		2 00
CATHETER, Balloon, Braun's, with bulb, see Obstetrical Instruments.		
CAUSTIC PROBE, Lente's, Fig. 5405.....		85
CLAMP, UVULA, Morgan's, Fig. 5395.....		1 00
CONCENTRATORS, Light, Mackenzie's, see page 1327.		
CONDENSERS, Light, see Laryngoscopes, pages 1323 to 1329		
COTTON HOLDER, Dunn's, Silver, Fig. 5419.....		1 50



MOUTH AND THROAT INSTRUMENTS.

CUT-OFFS, See pages 1316 to 1318.

CROUP KETTLE, Porter's.....\$ 3 50

W. T. Co's., Fig. 4814..... 1 50

CURETTE, Bosworth's, with flexible copper shank, Fig. 5414..... 1 50

Cohen's, Laryngeal..... 1 50

Herring's, set with knives, Fig. 5374..... 18 75

Maier's, knife, Fig. 4408..... 1 50

DILATORS, Œsophageal, in sets, metal handle, Fig. 5329..... 3 50

Œsophageal, Cracour's..... 1 85

“ Roe's..... 75

Laryngeal, Cohen's Stenosis, Fig. 5246..... 7 50

Trachea, Delaborde's, Fig. 5357..... 3 75

“ Otis', Fig. 5356..... 2 50

“ Pitha's and Tracheatome, Fig 5351..... 2 65

“ Trousseau's, metal..... 1 75

“ Mackenzie's, tri-valve, Fig. 5247..... 13 50

DOUCHES, see page 1245.

DROP TUBE, Störk's Fig. 4956..... 1 70

ECRASEUR, Laryngeal, Gibbs'..... 2 25

ELECTRODE, Einhorn's, for stomach, Fig. 5101..... 2 25

ELEVATORS, Tooth, Ebony handle, any pattern, see page 1386..... 60

Uvula, see Retractors, page 1289.

FEEDING TUBES, see stomach tubes.

FEEDING BOTTLE, Waxham's..... 1 25

FINGER PROTECTORS, Langenbeck's, jointed, Fig. 5394..... 1 15

FORCEPS, Canula, for removing foreign bodies from tube, Collins', Fig. 5190.. 3 00

“ “ “ “ “ Meunier's, Fig. 5191 2 25

Cotton Holding, see sponge holding.

Epiglottis, Braun's..... 2 25

Laryngeal, Fauvel's, Fig. 5135..... 3 00

“ Bond's..... 2 25

“ Buck's, Fig. 5110... 1 90

“ Burgess', Fig. 5130..... 3 20

“ Cohen's, Fig. 4246..... 2 50

“ Cusco's, Fig. 4688..... 3 50

“ Luer's, antero-posterior, Fig. 5113..... 3 75

“ “ lateral, Fig. 5116..... 4 00

“ Leonard's, Fig. 5119..... 2 50

“ Mathieu's, Alligator, Fig. 5127..... 4 50

“ Waxham's, cusco, Fig. 4688..... 3 50

“ “ plain, Fig. 5138..... 2 25

“ “ Burgess', Fig. 5128..... 3 50

“ Mackenzie's, cutting, Fig. 5126..... 3 50

“ “ lateral, Fig. 5121..... 2 10

“ “ antero-posterior, Fig. 5120..... 2 10

“ Sajou's, cotton holding, Fig. 5164..... 2 50

“ Simrock's, Fig. 5162..... 3 30

Needle holding, see page 758.



MOUTH AND THROAT INSTRUMENTS.

FORCEPS, Esophageal, Spiral, Fig. 5124.....	\$ 3 75
Esophageal, Charrieres', Fig. 5134.....	4 00
" Gutsch's, Fig. 5132.....	2 50
Pharyngeal, Cohen's, cotton holding, Fig. 5181.....	1 85
Post nasal, see page 1246.	
Seizing, angular, self-grasping, Fig. 5173.....	2 00
" Durham's.....	3 40
" Langenbeck's.....	1 90
" Musseux'.....	1 90
Sponge Holding, Cohen's, three patterns, Fig. 4214.....	2 50
" Elsberg's, Fig. 5195.....	3 25
" Sajou's, Fig. 5164.....	2 50
" Krause's, Fig. 5166.....	2 25
Tenaculum, double, see Gynecological.	
Throat, see Laryngeal.	
Tonsil, Burrows'.....	2 75
" Hotz', curved.....	3 00
" Faenger's, Fig. 5171.....	2 25
" Ingals', Fig. 5168.....	2 50
" Stork's, Fig. 5174.....	6 50
Tooth extracting (see page 1383).....	1 25
" " 3 prong.....	2 25

All our tooth forceps are warranted for ninety days' use, and any imperfect ones will be exchanged within that time without loss to purchaser. The following sets are recommended as being the best combinations that can be made with each number of forceps.

Tooth, best, single forcep, No. 42.

 " best, set of two, Nos. 42 and 43.

 " " three, Nos. 42, 43 and 30.

 " " four, Nos. 1, 24, 30 and 43, or

 " Dr. Brophy's, set of four, Nos. 1, 24, 46 and 47.

 " best, set of five, Nos. 13, 14, 24, 30 and 43, or

 " Dr. Marshall's, set of five, Nos. 1, 3, 21, 30 and 37.

 " best set of six, Nos. 13, 14, 24, 25, 26 and 43.

 " " seven, Nos. 13, 14, 24, 25, 26, 38 and 39.

 " " eight, Nos. 13, 14, 24, 25, 26, 38, 39 and 20.

Pouch, to roll up, for holding forceps, good leather, chamois lined, 5 loops, Fig. 5500.....	1 25
Pouch, to roll up, for holding forceps, good leather, chamois lined, 6 loops.....	1 40
Pouch, to roll up, for holding forceps, good leather, chamois lined, 10 loops.....	2 00
Pouch, to roll up, for holding forceps, good leather, chamois lined, 12 loops.....	2 25
Tongue-holding, Cusco's, Fig. 5144.....	2 00
" Dobell's, Fig. 5142.....	2 25
" Esmarch's, Fig. 5141.....	1 50



MOUTH AND THROAT INSTRUMENTS

FORCEPS, Tongue-holding, Faenger's.....	\$ 4 00
Tongue-holding, Houze's, Fig. 5148.....	4 00
" Mathieu's, Fig. 5145.....	3 00
Vulsellum, Casselberry's, Fig. 5160.....	2 25
" French, Fig. 5184.....	2 00
" Musseux'.....	1 90
" Self-grasping.....	1 90
GAG, Mouth, Allingham's.....	5 25
Mouth, Denhart's, Fig. 5004.....	3 50
" Ehrhart's, set in case.....	3 50
" Faenger's.....	4 50
" Goodwillie's, Fig. 5023.....	4 50
" " elastic.....	2 25
" Gross', Fig. 5025.....	3 75
" Heister's, Fig. 4998.....	3 75
" Henrotin's, Fig. 5001.....	2 00
" Mason's, Fig. 5005.....	3 75
" Mear's.....	6 00
" Mussey's.....	5 00
" Rozet's, Fig. 5011.....	3 75
" Warren's, Fig. 5007.....	3 00
" Waxham's.....	3 00
" Whitehead's, Fig. 5010.....	7 50
" Westmoreland's.....	4 50
GALVANO CAUTERY, see page 1250.	
GUIDE Trachea, Buck's.....	1 50
GUILLOTINE, Seiler's, set, Fig. 5376.....	15 00
GUM LANCE, same price as Bistouries; see page 1060.	
HÆMOSTAT, Tonsil, Störk's, Fig. 5174.....	6 50
HEAD-BANDS, improved, Sajou's, Fig. 5251.....	1 50
Plain, ball and socket clamp, same as Fig. 5254.....	75
Sardy's, combined, for 3 inch mirror, Fig 5241.....	1 50
" " " 3½ inch mirror.....	1 75
Folding, aluminum, Fig. 5243.....	4 00
Schrotter's with nose rest, best, Fig. 5253.....	1 25
HEAD REST, Ryan's, Fig. 5108.....	2 50
HOE, Whitehead's.....	1 15
HOOKS, Staphylorraphy, Updegraff's.....	1 25
Tonsil, Greene's.....	1 30
" Double.....	1 75
Trachea, Langenbeck's, double.....	2 25
ILLUMINATOR, pocket.....	3 25
INSTRUMENT, PLUGGING, Schrotter's.....	12 00
INHALERS, Boston, Fig. 4913.....	1 50
Buttle's, complete, Fig. 4052.....	1 00
Coulter's.....	5 00
Cutler's.....	85



MOUTH AND THROAT INSTRUMENTS.

INHALERS, Chloride of ammonium, Godfrey's.....	\$ 1 50
Olive Tar.....	50
Robinson's.....	40
Truax, Greene & Co's. Fig. 4616.....	each, 50c., doz 5 00
Fulgraff's, Fig. 4918.....	50
Globe, plain.....	3 00
“ with trimmings.....	12 00
“ “ and bracket.....	20 00
“ complete, on stand, see page 1321.....	30 00
Hunter's, Fig. 4914.....	85
Kirkwood's, small.....	1 50
“ large.....	3 00
Laforme's, Fig. 4915.....	60
O'Leary's,	85
Sample's.....	3 00
INHIBITOR, snoring, Fig. 5393.....	2 00
INSUFFLATORS, see Powder Blowers.	
INTUBATING INSTRUMENTS, O'Dwyer's, set, see page 1294.....	24 00
Hoadley's, set.....	25 00
Waxham's original, set.....	27 50
Waxham's, latest set, see page 1296.....	40 00
Extractors, O'Dwyer's.....	4 50
Gags, see Gags, page 1286.	
Introducers, O'Dwyer's.....	3 75
Tubes, O'Dwyer's, set of five.....	10 00
“ “ adult sizes, each.....	\$3.00 to 4 00
Special Tubes made to order.	
KNIFE, Gum, Whitehead's, Fig. 5454.....	1 10
Hoe, Whitehead's.....	1 10
Laryngeal, Tobolt's, any pattern, Fig. 5452.....	1 25
Lanciform, Tobolt's.....	1 25
Paring, Whitehead's, Fig. 5446.....	1 10
Staphylorrhaphy, Goodwillie's, Fig. 5440.....	1 25
“ right, Langenbeck's.....	1 25
“ left, “.....	1 25
“ double edge, Langenbeck's.....	1 25
“ “ blunt end.....	1 25
Tonsil, Greene's.....	1 00
LAMPS, Collins', large, Fig. 5042.....	3 75
Students', see page 1328.....	3 75
LANCET, Buck's, throat.....	1 85
Gum, folding, Fig. 5043.....	75
Laryngeal, Tobolt's, concealed, Fig. 5398.....	2 50
LARYNGOSCOPES, COMPLETE, see page 1327.	
LARYNGOSCOPIC MIRRORS, see Throat Mirrors.	
LEVATORS, Goodwillie's periosteotome.....	1 50
LIGHT CONCENTRATOR, see Laryngoscopes.	



MOUTH AND THROAT INSTRUMENTS.

			3 inch	3½ inch	4 inch.
MIRRORS, Head, with handle, No band, Fig. 4076.....	\$2 00	2 25	2 75		
Head, with handle, Plain band, Fig. 5254	2 50	2 75	3 25		
“ “ Sajou's band, Fig. 5251.....	3 25	3 50	4 00		
“ “ Nose rest, Fig. 5253.....	3 00	3 25	3 75		
“ “ Sardy's band, Fig. 5241.....	3 50	4 00			
“ “ Folding, aluminum band, Fig. 4243.....	6 00	6 25	6 75		
“ “ Nose rest, aluminum band, Fig. 5253.....	4 00	4 25	4 75		
“ “ Ingals', 4-inch with band.....		5 50			
Demonstrating, Noltenius', Fig. 5250, (without head mirror).....		1 00			
Throat, any size, with handle, Fig. 5240.....		50			
“ “ without handle.....		40			
These are particularly adapted to the use of specialists and others who desire a very thin mirror, and one having a good reflecting surface at the extreme edge. The common mirrors in the market are cut from large sheets of silvered glass and the silver is more or less damaged in cutting. These are silvered after being cut, insuring a good surface at all points.					
Throat, any size, handle only, with set screw.....		50			
“ set of six, with one handle, in neat case.....		4 00			
“ oval.....		1 00			
MOUTH GAGS, see Gags, page 1286.					
MOP, for cleaning canulas.....		15			
NEEDLES, Surgical, see page 759.					
Staphylorraphy, Updegraff's, Fig 5434.....		1 25			
“ “ bent, Fig 5438.....		1 25			
Tonsil, for injections, Fig. 5037.....		1 25			
Whitehead's, spiral, Fig. 5403.....		1 25			
PERIOSTEOTOMES, see page 1062.					
PINS, Buck's, Plastic, see page 1062.					
Hare lip, silver, removable point, see page 1281.					
POWDER BLOWERS, Bishop's, Fig. 4940.....		60			
Bishop's, vest pocket, Fig 4937.....		30			
Clay's, Fig. 4936.....		75			
Chamberlain's, set of 3, Fig. 4933.....		1 25			
Devilbiss', Fig 4935.....		75			
“ with bulb,		1 00			
Davidson's, No. 192, Fig. 4975.....		1 40			
“ No. 195, set of 3, with 3 tips, Fig. 4744.....		3 50			
“ “ 3, “ 12 “ “		4 50			
Iodoform, Fig. 4939.....		1 25			
Ives', for iodoform, Fig. 4941.....		1 50			
Ingals', Fig. 4944.....		1 00			
Kelly's.....		2 00			
Knapp's, Fig. 4054.....		75			
Leffert's, Fig. 4942.....		1 50			
“ Laryngeal, Fig. 4969.....		1 50			
Morgan's, Fig. 4741.....		5 00			
Mattson's, No. 1, Fig. 4977.....		1 00			
“ No. 2.....		75			
Osborn's, diphtheritic.....		50			



MOUTH AND THROAT INSTRUMENTS.

POWDER BLOWERS, Rauchfuss', 3 in set, Fig. 4932.....	\$ 1 95
Robinson's, reversible, two tips, Fig. 4957.....	1 50
Sajou's, (auto-insufflator) Fig. 4608.....	90
" for patients, Fig. 4612.....	50
Scoop, Fig. 4930.....	75
W. T. & Co's, No. 1, Fig. 4928.....	75
" No. 2, Fig. 4926.....	40
PROBANGS, bristle, for removing foreign bodies, common, Fig. 5248, No. 2...	1 00
Bristle " " " " best, Fig. 5248, No. 1.....	1 25
Jointed, Truax', Fig. 2917.....	3 00
Sponge.....doz	1 25
With bucket, for extracting coins, Fig. 5391.....	1 75
PROBES, caustic, Lente's, Fig. 5405.....	85
PUMPS, AIR, see page 1313.	
RESPIRATORS, Anti-dust.....	1 80
Blake's, Fig. 4985.....	2 25
For mouth, plain, Fig. 4987.....	75
For mouth and nose.....	1 50
Gedding's.....	3 75
Hausman's, Fig. 4986.....	1 25
Jeffrey's, mouth.....	1 25
" mouth and nose.....	1 50
Kurschman's.....	2 00
Robinson's.....40c., doz	4 00
Tyndale's.....	2 60
RETRACTORS, Cheek, Luer's, either side, Fig. 5030.....	1 60
Cheek, Luer's, right, Fig. 5033.....	1 00
" " left, Fig. 5027.....	1 00
Staphylorrhaphy, Langenbeck's.....	1 85
Trachea, Delaborde's, Fig. 5357.....	3 75
" Minor's, Fig. 5355.....	3 40
" Otis', Fig. 5356.....	2 50
" Pilcher's, Fig. 5346.....	1 25
" Wells'.....	1 25
Uvula, see page 1247.	
RHINOSCOPE, see page 1248.	
RHINOSCOPIC MIRROR, plain, Fig. 5240.....	50
SAW, Goodwillie's, oral, Fig. 5415.....	2 60
SCALPELS, see page 1060.	
SCISSORS, Heywood Smith's.....	9 00
Laryngeal, Sherwell's, straight.....	5 25
" Wallenberg's, Fig. 5335.....	3 35
Polypus, for vocal cord, Tobolt's.....	4 50
Tonsil, curved on the flat.....	1 75
" " " " long, Fig. 5340.....	2 00
Uvula, Sajou's, Fig. 5333.....	6 00
" with claws, for holding the segment, Fig. 5331.....	3 75
" " with angular blade, Seiler's, Fig. 5341.....	4 50



MOUTH AND THROAT INSTRUMENTS.

SCOOP, Schaffer's, throat	\$ 6 00
SCREW, oral, Fig. 5002	75
Oral, Warren's, Fig. 5007	3 00
SHIELD, for wire-twisting, see Gynecological Instruments.	
SNARE, laryngeal, Gibbs'	2 25
Laryngeal, O'Dwyer's, Fig. 5186	2 60
Tonsil, Bosworth's	15 00
" Hammond's, Fig. 5339	6 50
SUTURE HOLDER, staphylorrhaphy, Langenbeck's	2 25
SPECULUM, see Gags, page 1286.	
SPONGE HOLDERS, Buck's, Fig. 5409	50
Cohen's, 3 patterns, Fig. 4214	2 50
Elsberg's	4 50
Granger's, Fig. 5407	1 50
Post nasal, Fig. 5411	85
SPRAYS, see atomizers.	
SPRAY TUBES, Burrall's, glass	1 15
Devilbiss', universal. See page 1319	1 25
" with bulb	1 50
Hank's, three patterns	75
Rumbolt's, glass. See page 1319	40
" metal	1 25
Sass', glass. See page 1318	80
" " with metal couplings	1 00
" " complete with tubes and bulbs, Fig. 4958	2 00
" hard rubber	1 50
" metal	1 25
SPRAY TUBE STANDS, 6 sprays, walnut	2 00
Rubber	6 00
STAND, Laryngeal, Hawley's. See page 1331.	
STAPHYLORRAPHY SET, Updegraph's, in case Fig. 5440	7 00
STOMACH PUMP (and aspirator). See Allen pump, page 993.	
Lever, Fig. 5495	12 00
Toswille's	2 00
STOMACH TUBES, silken linen, Fig. 5467	1 00
English, best quality, Fig. 5492	1 00
" funneled, same as Fig. 5491	1 25
Soft rubber, funneled, with bulb, Fig. 5477	1 50
" plain	1 00
" funneled, Fig. 5473	1 25
" Paine's, nasal	75
" Jacques'	1 50
" Nelaton's	1 25
Silk, very fine	2 00
Double channel, Fig. 5469	\$2.50 to 4 00
Nasal feeding, Paine's	75



MOUTH AND THROAT INSTRUMENTS.

SYRINGES, catarrhal, hard rubber. See page 722.

Catarrhal, Warner's, Fig. 4631.....	\$ 0 75
“ post-nasal, with bulb.....	1 00

This is a combination of the hard rubber post-nasal tip, of Warner's Syringe (Fig. 4631) and the bulb syringe, shown on page 743. By its use an unlimited quantity of fluid may be injected without removing the tip.

Diphtheretic, Seibert's, Fig. 5020.....	7 50
Goitre, platina needles, Fig. 5039.....	3 50
Laryngeal, Fig. 5475.....	1 75

TAMPON CANULA, Gerster's, for trachea..... 13 50

TENACULUM, Staphylorrhaphy, Langenbeck's..... 1 25

TENACULUMS, Single. See page 1065.

TENACULUM FORCEPS. See Gynecological.

THERMO CAUTERY. See page 988.

THROAT MIRRORS. See Mirrors, page 1288

TONGUE DEPRESSORS, Bosworth's, steel, Fig. 5087..... 75

Cohen's, steel, Fig. 5079..... 1 15

“ hard rubber, Fig. 5079..... 60

Devilbiss', Fig. 5081..... 35

Elsberg's..... 2 00

Fraenkel's, Fig. 5097..... 1 00

Greene's, asepsible, Fig. 5103..... 1 00

Glass, Fig. 5059..... 65

Hard rubber, Fig. 5060..... 75

Rumbolt's, set of 3, asepsible, Fig. 5056..... 3 75

Sass', metal handle, Fig. 5063..... 2 25

Stehmen's, self-retaining, Fig. 5054..... 1 50

Tobolt's, all metal, Fig. 5075..... 1 25

Türk's, metal, set of 3, Fig. 5085..... 3 00

“each 1 10

Folding, Cohen's, Fig. 5094..... 1 50

“ fenestrated, Fig. 5069..... 50

“ Green's, metal handle, Fig. 5089..... 75

“ Goodwillie's, Fig. 5067..... 85

“ Truax', asepsible, aluminum, Fig. 5099..... 1 00

“ Wire, Fig. 5083..... 50

“ Wabash, Fig. 5092..... 75

“ Steel, Fig. 5065..... 1 00

This is a genuine hand forged steel depressor, finely finished and nickel plated : unlike those usually sold in the market, it will not “wear brassy,” and the hinge will stand years of constant use.

TONSILOTOMES, Aubrey's, Fig. 5294..... 10 00

Billings', Fig. 5291..... 7 00

Bishop's, with folding handle, Fig. 5315..... 7 50

Casselberry's, naso-pharyngeal, Fig. 5289..... 15 00

“ Fig. 5298..... 6 00

“ lingual, Fig. 5337..... 7 50

Elsberg's..... 6 50

Fahnestock's, best quality, Fig. 5293..... 3 50



MOUTH AND THROAT INSTRUMENTS.

TONSILOTOMES, Gunn's, Fig. 5285.....	\$10 00
Hamilton's.....	10 50
Improved, one blade, Fig. 5326.....	11 00
" two ".....	17 00
Mackenzie's, Fig. 5286.....	5 00
Mathieu's, Fig. 5295.....	5 00
" in case.....	6 00
Naso-Pharyngeal, Casselberry's, Fig. 5289.....	12 50
<p>This naso-pharyngeal tonsilotome is intended only to remove the large individuate variety of growth, with older children or adults and to do it at a single sitting. It is not adapted to the ordinary stalactitic variety of adenoid vegetations.</p>	
Sajou's.....	6 00
Windler's, Fig. 5327.....	10 00
TRACHEA GUIDES, Fig. 5348.....	1 00
TRACHEA TUBES, silver, Cohen's, Fig. 5366.....	6 00
Cohen's, plated.....	4 00
Durham's, set.....	7 50
Double, aluminum, Fig. 5360.....	2 00
" Hard rubber, Fig. 5363.....	1 00
" Plated, Fig. 5360.....	2 25
" Silver, Fig. 5360.....	3 75
Single, plain silver.....	2 50
Faenger's tamponning, Fig. 5361.....	10 00
Dilating with 3 sizes tubes, Fig. 5364.....	8 50
Gendron's silver, split.....	6 00
Gerster's, Tampon.....	13 50
Keene's.....	5 00
McSherry's.....	3 75
Park's, aluminum, Fig. 5362.....	4 50
TRACHEOTOMES, Hank's, Fig. 5368.....	5 00
Langenbeck's, Fig. 5344.....	3 00
Pitha's, Fig. 5351.....	2 65
TUBES, DROP, Stork's, Fig. 4956.....	1 70
TUBES, FEEDING, see page 1284.	
Intubation, see Intubation, page 1287.	
Stenosis, Schrotter's.....	2 25
TUBING, covered, for air compressors.	
Silk covered, internal diameter, $\frac{1}{8}$ inch.....	per foot 25
" " 3-16 inch.....	" 30
" " $\frac{1}{4}$ inch.....	" 35
" " $\frac{3}{8}$ ".....	" 50
" " $\frac{1}{2}$ ".....	" 65
TURN-KEYS, plain.....	1 75
Fox's.....	3 00
UVULATOME, Mackenzie's, Fig. 5318.....	6 75
Sajou's, Fig. 5354.....	6 00
VAPORIZERS, see Atomizers.	



MOUTH AND THROAT INSTRUMENTS.

DENISON'S EMPHYSEMA JACKET AND CHEST EXERCISER

The object of this contrivance is to furnish what nature lacks in **Emphysema** and **bronchietans**, *i. e.* the power to expel the overcharge of air in the air cells and bronchial tract. It is an aid to **expiration**, which can be made powerful enough, if it can be borne, to be efficient in any such case.

The cut shows the construction, *i. e.*, how the rolling of the contracting straps on the half-cylinders constricts the jacket part, which is made to fit the chest, and this during **expiration** aids the expulsion of both the emphysematous and the contents of the bronchial dilatations. This is done by the patient (usually) moving the levers with his two hands, arms-length, hold of them, forward during each expiratory act and backward dur-

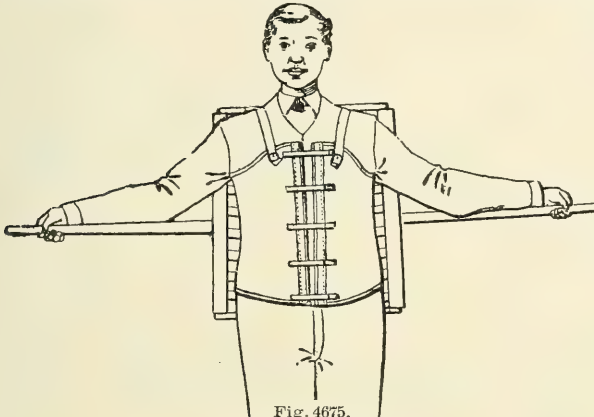
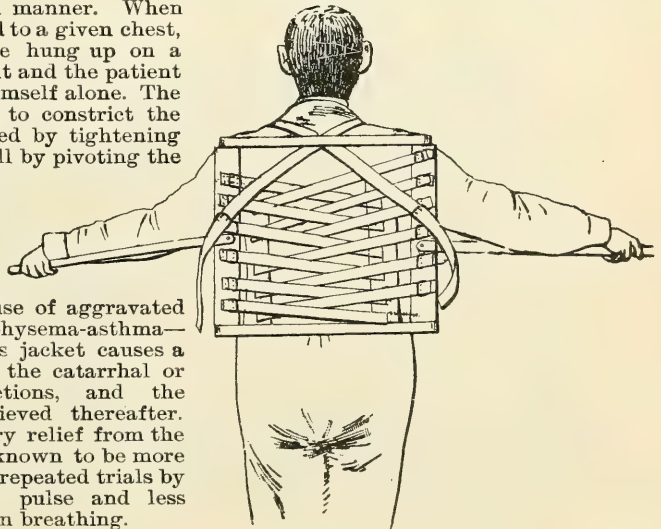


Fig. 4675.
Showing Front View

ing inspiration. The two complete movements can be practiced twelve to fifteen times a minute and for ten or fifteen minutes two to four or more times a day as physician deems best.

The jacket is portable and can be used sitting, standing or walking, though standing is the usual manner. When once the corset is fitted to a given chest, the apparatus can be hung up on a nail at the right height and the patient can thus apply it to himself alone. The power of the levers to constrict the chest may be increased by tightening the corset, or more still by pivoting the rollers farther from their centers, thus giving the arm levers greater leverage. It is not unusual, when a bronchorrhea complicates, or is the cause of aggravated emphysema—or emphysema-asthma—that the uses of this jacket causes a profuse discharge of the catarrhal or mucopurulent secretions, and the patient is much relieved thereafter. Usually the temporary relief from the use of this device is known to be more or less permanent on repeated trials by a slower and better pulse and less dyspnoea and more even breathing.



Showing Rear View.

Price.....each, \$7 50

MANUFACTURED BY CHAS. TRUAX, GREENE & Co.



MOUTH AND THROAT INSTRUMENTS.

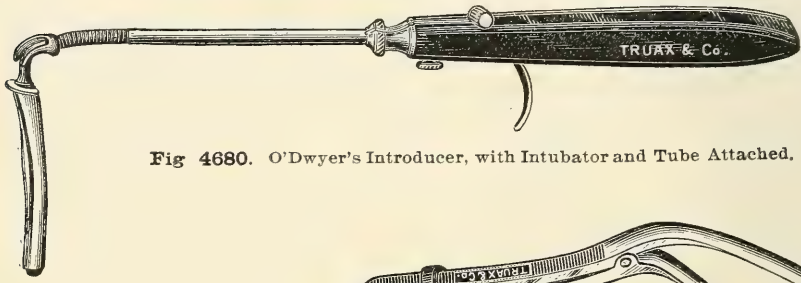


Fig. 4680. O'Dwyer's Introducer, with Intubator and Tube Attached.

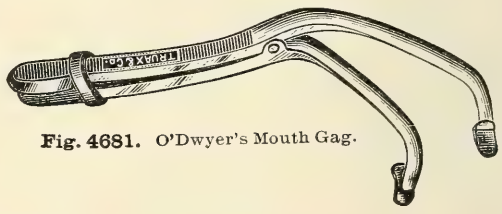


Fig. 4681. O'Dwyer's Mouth Gag.

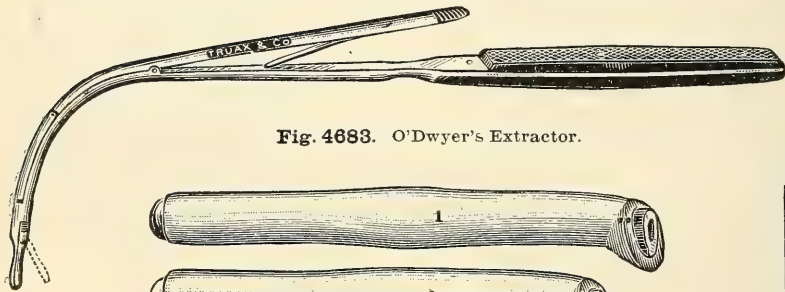


Fig. 4683. O'Dwyer's Extractor.

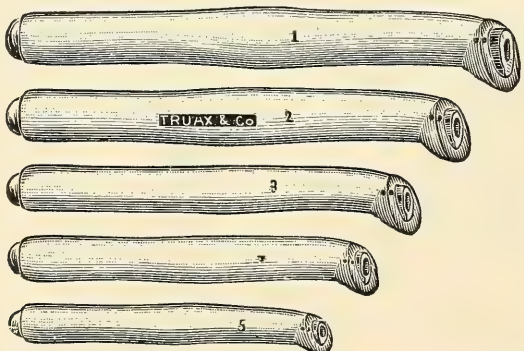


Fig. 4684. O'Dwyer's Intubation Tubes, per set, \$10.00.

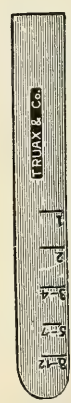


Fig. 4686. O'Dwyer's Scale for measuring the Tubes to assist in selecting the proper size.

The above instruments comprise the set devised by Dr. J. W. O'Dwyer for the intubating of the larynx.

Price, in neat velvet-lined leather-covered case, similar to Fig. 4693..... \$24 00
Extra Tubes with Intubator..... each, 2 00

Some manufacturers of these instruments have placed cases on the market that are lacking in several important features, and many of the failures of physicians to obtain satisfactory results from their use are due to this cause, for not only is it necessary that the instruments be of good quality and finish, but that the minutest details of size and shape be conformed to with all possible accuracy. By personal interviews and frequent correspondence with Dr. O'Dwyer, and working under the immediate supervision of Dr. F. E. Waxham and others interested, we have been enabled not only to make these instruments correctly but to keep pace with all improvements, and customers ordering from us may rest assured that they will get the latest and best in the market at all times.

HAS TRUAX & CO GREENE & CO

MOUTH AND THROAT INSTRUMENTS.

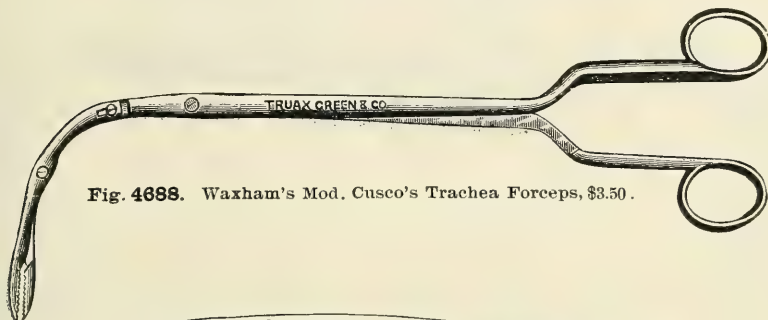


Fig. 4688. Waxham's Mod. Cusco's Trachea Forceps, \$3.50.

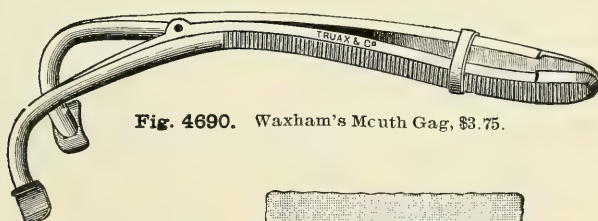


Fig. 4690. Waxham's Mouth Gag, \$3.75.

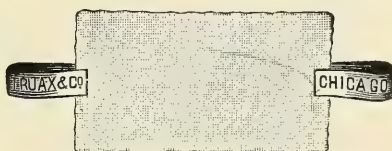


Fig. 4691. Waxham's Respirator.

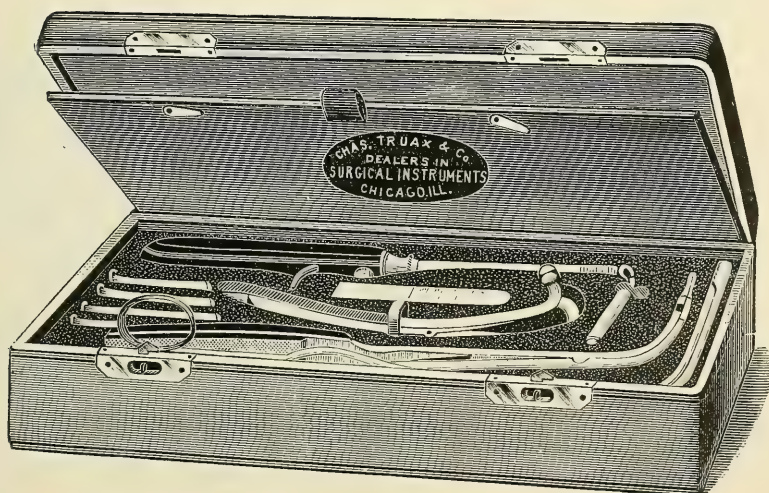


Fig. 4693. Dr. Waxham's original set of Intubating Instruments, containing O'Dwyer's Introducer; O'Dwyer's Extractor; O'Dwyer's Gauge; Waxham's Gag; Waxham's Trachea Forcep; Waxham's Respirator, and 5 of O'Dwyer's Tubes.....\$27 50



MOUTH AND THROAT INSTRUMENTS.

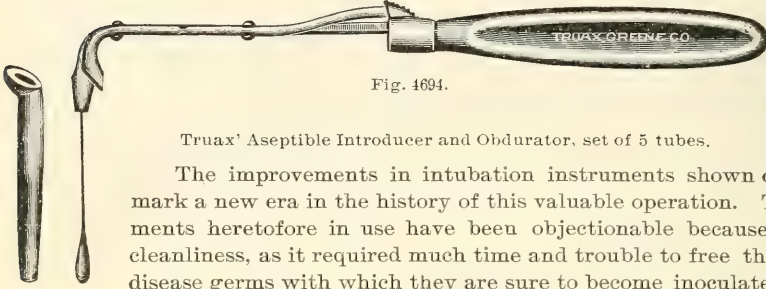


Fig. 4694.

Truax' Aseptible Introducer and Obturator, set of 5 tubes.

The improvements in intubation instruments shown on this page, mark a new era in the history of this valuable operation. These instruments heretofore in use have been objectionable because of their uncleanliness, as it required much time and trouble to free them from the disease germs with which they are sure to become inoculated every time they are used. The old styles of obturators were often bothersome because they

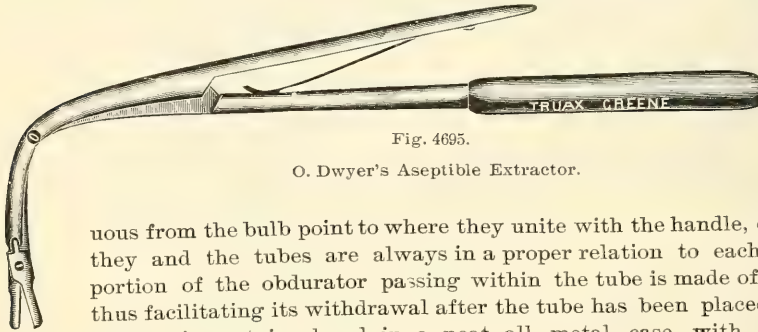


Fig. 4695.

O. Dwyer's Aseptible Extractor.

turned at the point where they were screwed into the introducer. These obturators are continuous from the bulb point to where they unite with the handle, consequently they and the tubes are always in a proper relation to each other. The portion of the obturator passing within the tube is made of spring steel, thus facilitating its withdrawal after the tube has been placed in position. The entire set is placed in a neat all-metal case with metal racks and partitions.

Waxham's Aseptible Intubating set, containing 5 O'Dwyer's tubes, each, with Waxham's obturators, 1 Aseptible introducer, 1 O'Dwyer's aseptible extractor, 1 Waxham's aseptible mouth gag, 1 Waxham's Cuscoe's trachea forcep, 1 scale, 1 Waxham's respirator, in a neat metal case with metal racks and partitions.

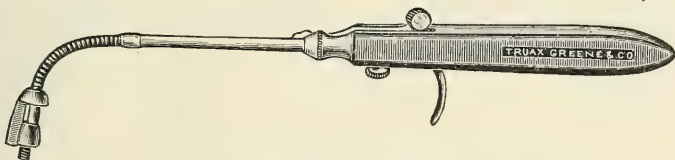


Fig. 4696.

Price, complete.....\$40.00



MOUTH AND THROAT INSTRUMENTS.



O'Dwyer's Introducer for Secondary Tubes.

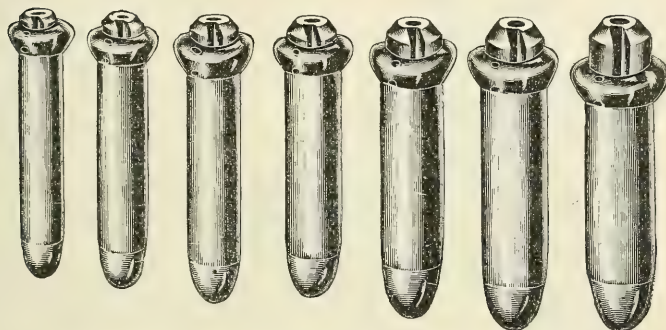


Fig. 4697. O'Dwyer's Secondary Intubation Tubes. Set of 7 with introducer, \$25.00.

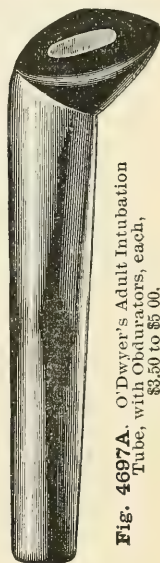


Fig. 4697A. O'Dwyer's Adult Intubation Tube, with Obturators, each, \$3.50 to \$5.00.

These are for use in cases of extension of the membrane into the deeper portions of the Trachea. The internal diameter is much larger than in the ordinary tube, thus admitting of the expulsion of the membrane through them.

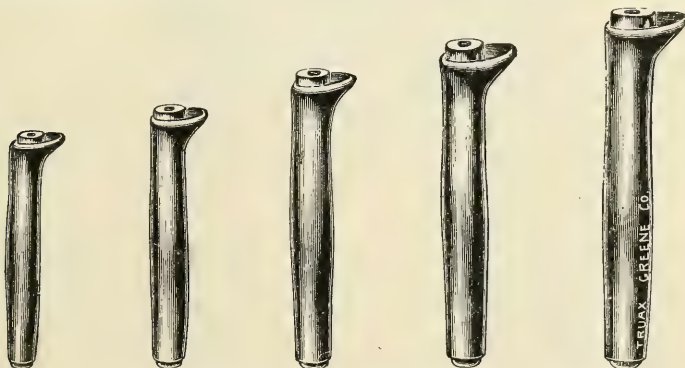


Fig. 4697 B. Dr. E. M. Webster's Zinc Intubation Tubes. Set of 5 with Obturators, \$10.00.

I claim FOUR POINTS of superiority for my tubes:

First. The shape of the neck permits the tube to drop lower in the trachea, so the epiglottis covers the opening in the tube and the patient swallows better.

Second. The funnel-shaped top of the tube greatly facilitates removal.

Third. The obturator being in one solid piece is not so liable to be broken, and as it bends freely at any point below the shoulder, will not strike the back of the pharynx on removal.

Fourth. The tube being made of pure zinc, the acidity of the secretions (this can be increased by an acid inhalation) combines with the zinc, and there is a constant application of an antiseptic and astringent zinc salt.

February 3, 1893.

E. M. WEBSTER, M. D.,
So. Chicago, Ill.



DR. WAXHAM'S INSTRUCTION FOR PERFORMING INTUBATION.

DIRECTIONS FOR PERFORMING INTUBATION.

The physician who wishes to become expert in performing any operation, should first thoroughly familiarize himself with the instrument that he intends to use. This is especially important in the case of intubation, as it is done entirely by the sense of touch. One should handle the instruments frequently and practice working the spring of the introducer, which, by the way, should be operated by the thumb and not by the forefinger. The extractor should be held in the same manner. It will be a help if one practices introducing the tube into the closed hand of another, detaching the tube and pressing it down out of sight. As the extraction of the tube is even more difficult than its introduction, it is important to also practice extracting the tube from the closed hand and to become accustomed to the feeling of the head of the tube and to appreciate the form of the opening in whatever position it may be placed. The instrument should be held lightly and the operation should be performed with the utmost gentleness. I have no sympathy for those who declare the instruments are not strong enough, and who break their gags, their introducers or extractors. The same quickness and gentleness that is employed in passing a catheter should be exercised in passing a tube into the larynx. No force should be used, no anæsthetic is required, and the operation should not require longer than from five to ten seconds. It is not only important to become perfectly familiar with the instruments and the details of the operation, but, if possible, with the anatomy of the larynx by practical work upon the cadaver.

In performing the operation the physician should first select a tube suitable to the age of the patient, the smallest being suitable for a child under two years; the next in size is appropriated for one between two and four; the next for one from four to six; the next from six to eight; the next from eight to ten, and if the extra tube is included in the set, it is appropriate for a child from ten to fourteen years. A suitable tube, however, may be selected by reference to the scale which accompanies each set.

The tube should be threaded with braided silk or linen thread, making a loop about sixteen inches in length. The obturator should then be screwed upon the introducer, and the tube attached. The instrument is then ready for use and should be placed upon a table within easy reach. The patient, properly wrapped, should be held upright in the lap of a nurse, closely against the left chest, with the head resting on the shoulder. The nurse should sit upright in a straight-backed chair, and the patient should be held firmly and not be permitted to slide down. The forearms of the child should be crossed in front, and the nurse should grasp the wrists. An assistant, standing behind, should hold the head securely and slightly backward. The gag should be introduced in the left angle of the mouth, well back between the teeth, and widely opened. The operator should then quickly seize the introducing instrument with the tube attached, hook the loop over the little finger of the left hand, and introduce the index finger of the same hand, closely followed by the

CHAS. TRUAX & CO. GREENE

MOUTH AND THROAT INSTRUMENTS.—INTUBATION.

tube. He may simply hook the epiglottis forward with the index finger, and guide the end of the tube gently over it, when, by making an abrupt turn, he will pass the tube into the larynx if he has been careful to keep in the median line; or, he may pass the index finger over the epiglottis and upon the arytenoid cartilages and guide



Proper position of patient.

the end of the tube into the larynx. In either case the end of the tube should pass *under* the tip of the finger, not over it or by the side of it, but *directly under it*. The moment the end of the tube is passed into the larynx it should be detached from the

Dr. Waxham's book, giving full instructions, history and record of cases, sent on receipt of \$1.00.

CHAS. TRUAX & CO. GREENE

MOUTH AND THROAT INSTRUMENTS—INTUBATION.

introducer by pressing forward on the side, and, as the instrument is removed, the tube should be pressed down into position by the finger, which should still remain within the pharynx. No thought should be given to the handle of the introducing instrument, but the mind should be concentrated upon the end of the tube. This



Proper position of operator and assistants.

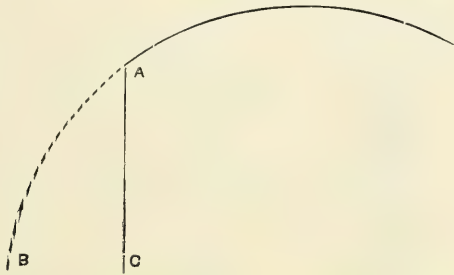
should describe a gentle curve until it has passed over the epiglottis, and then it should remain stationary for an instant while the handle is quickly elevated, so that the tube may go down at a right angle, as shown by Figure 4695.

Dr. Waxham's book, giving full instructions, history and record of cases, sent on receipt of \$1.00.



MOUTH AND THROAT INSTRUMENTS.—INTUBATION.

Figure 4695 represents the curve that should be made by the end of the tube while it is being introduced. The dark line indicating the path it should follow.



"A" Representing the point where the progress of the tube should be arrested until it can be passed directly downwards towards B.

The above turn constitutes the trick of the operation, for if the curve be continued as indicated by the dotted lines, the tube will invariably pass into the œsophagus.

As an additional precaution a pad of antiseptic gauze should be placed over the mouth and nostrils of the operator, and secured by a rubber tape passed around the head.

The importance of these precautions has been emphasized within the last year by the death of two honored members of the profession within the limits of my personal acquaintance. Dr. Newton, of this city, in performing intubation, was severely bitten by a patient who was suffering from a severe form of diphtheria. Within three days he was taken with the same disease, which rapidly extended to the larynx, trachea and bronchial tubes. Although he ejected membranous casts of the larynx, trachea and larger bronchial tubes, and received unremitting attention from his professional friends, who made every effort to save a most valuable life, yet death occurred on the fourth day from exhaustion and extension of membrane to the finer bronchi.

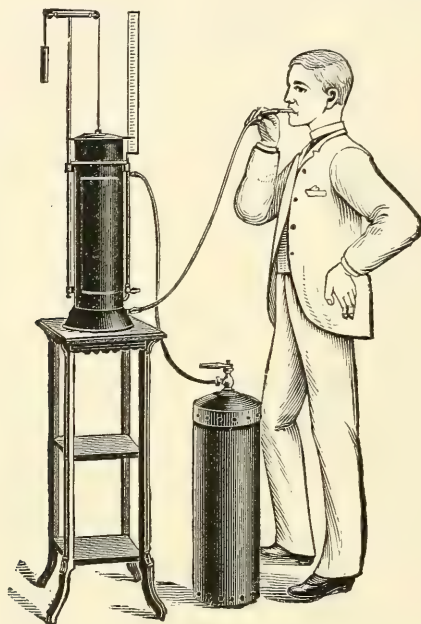
Dr. G. W. Mason, of Bloomington, Ill., a most skillful physician, and an honor to his profession, sacrificed his life to this dread disease at the very beginning of a brilliant and successful career. In an exhausted condition, and with the self-forgetfulness of the ideal physician, he responded to the pathetic appeal for help in a case of diphtheritic croup. Within three days he was taken with the disease in its most dangerous form, which quickly proved fatal. The inexpressibly sad termination of these lives should teach us the lesson of self-protection.

A vial of nitrite of amyl should always be at hand, as suggested to me by Dr. D. S. Clark, of Rockford, not only when the tube is introduced, but when removed as well. If a patient is moribund, it will have a powerful effect upon the heart, and will be of great assistance in resuscitating the patient. It may be unnecessary to state, in this day of antiseptic surgery, that the physician should be particularly careful to thoroughly disinfect not only the instruments, but his hands as well. He who performs this operation upon a diphtheritic patient and hastens to a case of confinement, without this precaution, is guilty of a negligence that will very likely cost a woman her life. The tubes and other instruments should be disinfected with 95 per cent. carbolic acid, and then cleansed with boiling water, while the hands may be disinfected with either a strong solution of carbolic acid or bi-chloride of mercury. The scrubbing brush should be used freely, and the nails thoroughly cleaned. The bi-chloride of mercury solution should not be used for disinfecting the instruments, as it destroys the plating.—*Intubation of the Larynx—Waxham.*

Dr. Waxham's book, giving full instructions, history and record of cases, sent on receipt of \$1.00.



.. APPARATUS LOANED ..



PORTABLE OXYGEN APPARATUS FOR HOME AND OFFICE TREATMENT.

The above shows the manner in which the Oxygen is administered in ordinary chronic cases; but in such as extreme cases of Pneumonia, Asphyxia, &c., when respiration is very labored, then it may be administered through a paper cone.

REVISED PRICE-LIST OF GASES, AND APPARATUS FOR THEIR ADMINISTRATION.

PRICES TO PHYSICIANS.

Pure Oxygen compressed in cylinders of 100 gallons each	\$6 00
Pure Nitrogen Monoxide compressed in cylinders of 100 gallons each.....	7 00
Modified Gases: Oxygen 1 part, Nit. Monox. 1 part, Atmospheric Air 2 parts, compressed in cylinders of 100 gallons each.....	7 00
Modified Gases: Oxygen, Nit. Monoxide, and Atmospheric Air in any desired proportion, compressed in cylinders of 100 gallons each.....	7 00

(Cylinders to be returned at purchaser's expense.)

Apparatus consists of a 100 gallon copper cylinder, and one improved Oxygen Inhaler, as illustrated in the cut. No charge made for Cylinders returned within thirty days. After thirty days a rental of 25 cents per week will be demanded. Inhalers loaned for as long time as you continue to use our gas.



OXYGEN APPARATUS

During the past five years the demand among the better class of physicians for a comparatively inexpensive apparatus for the manufacture and use of oxygen gas has steadily increased, and observation has convinced us that the administration of this potent remedy is destined to form an important factor in the treatment of many classes of diseases.

This agent has now won its way to general professional recognition, and the progressive and alert practitioner finds himself lost without its aid in a class of cases heretofore deemed incorrigible, while in certain dangerous and quite frequent emergencies it is an indispensable necessity. In spasmodic asthma, asphyxiation from any cause, narcotic poisoning and puerperal eclampsia, it is proving itself the most prompt and reliable resource. See the following pages for detailed description of apparatus and appliances for its use.

A suitable apparatus for office use consists of one or more gasometers similar in construction to those in use by city gas works, a retort, heating apparatus, from four to six wash bottles, with glass and rubber connections, and an inhaling flask, with suitable mouth-piece.

While it is not necessary for the physician to provide himself with more than one gasometer, yet a little experience will soon convince him of the advantages of having two or more, thus enabling him to have various gases, mixtures or dilutions on hand at the same time. We manufacture these of various sizes, the usual capacity being from fifty to seventy-five gallons. We make larger sizes for hospitals, dispensaries and those having a large practice, but for general use several moderate sized ones are preferable to a limited number of large ones. They are made from galvanized iron, zinc or tinned copper, properly strengthened at top and bottom and provided with loops or ears for attaching pulleys and weights, together with stop-cocks for receiving and discharging their contents.

Retorts may be had of various sizes and shapes manufactured from glass, earthenware, copper or iron. Any of these will answer for the manufacture of oxygen, but glass or porcelain are to be used in making nitrogen monoxide. They may be purchased of various sizes, those holding about two quarts answering best. The iron ones are the most serviceable of any, and, on account of their low price, are usually preferred.

The best heating apparatus is a suitable gas-burner, but where this is not available a good kerosene lamp, stove or a large alcohol lamp may be made to answer.

Wash bottles may be had varying in size from one quart to two gallons, those holding from one-half to one gallon being preferred. From four to six of these should be used to purify the gas before being stored in the gasometer.

The gas after leaving the retort should be passed through an empty wash bottle before entering the series of filled ones, this empty one acting as a safety valve and preventing the reflow of water into the retort in cases of the sudden withdrawal of heat or of an accident.

The connection should consist of well-fitting double perforated rubber stoppers, through which are passed suitable glass or hard rubber tubes that are connected with rubber tubing. The tube leading from the inhaling flask may be covered with worsted or silk to give it a neater appearance and should end in a suitable mouth-piece for inhalation.

The chemicals used for making oxygen gas are four or five parts of potassium chlorate to one of manganese dioxide (peroxide). As the latter remains unchanged during the process, acting only by its presence, exact proportions are not necessary. The chemicals should be fine, thoroughly mixed and heated somewhat slowly at first. No gas will be given off until some portion of the material has been heated to a rather high degree, at which point the evolution is sudden and rapid, sometimes



OXYGEN APPARATUS.

straining the wash bottles and connections severely. To guard against accident, therefore, it is essential to see that all joints are tight and everything in perfect order before applying the heat. Sometimes it is necessary to wire the wash-bottle corks in place.

Portable apparatus can now be supplied which obviates most of these precautionary measures and works very perfectly when large quantities of gas are not required.

In the manufacture of nitrogen monoxide the process is nearly the same, excepting that the chemical used is pure nitrate of ammonium, either fused, crystallized or granulated (the latter being preferred). It should be heated in an ordinary Florence flask, applying the heat moderately at first.

OUTFITS FOR MAKING AND ADMINISTERING OXYGEN AND NITROGEN MONOXIDE.

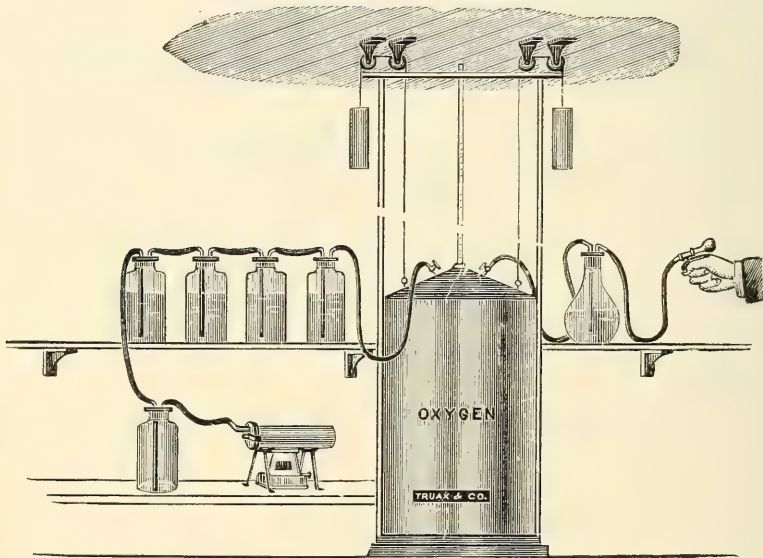


Fig. 4698.

OFFICE OUTFIT No. 1. Consisting of 1 extra quality gasometer with stop-cocks, rings, cords, pulleys and weights; 6 one-gallon best quality wash bottles, complete with fittings, four of the fittings with bulb bottoms; 1 oxygen retort, best quality, with connections; 3 Florence flasks, with fittings and connections; 1 inhaling flask with silk tubing and mouth-piece; 3 extra sets of wash bottle fittings; 3 extra mouth-pieces; 1 kerosene or gas heater, as preferred; 12 feet $\frac{3}{8}$ -inch extra quality rubber tubing; 4 feet $\frac{1}{4}$ -inch extra quality rubber tubing; 5 pounds of chemicals for making Oxygen; 5 pounds granulated nitrate ammonium for making Nitrogen Monoxide; all complete for manufacturing, purifying and administering either of the above mentioned gases.

PRICE.

Boxed ready for shipment.....	\$45 00
Same, with Cabinet, similar to Fig. 4699.....	85 00

CHAS. TRUAX & CO. GREENE

OXYGEN APPARATUS.

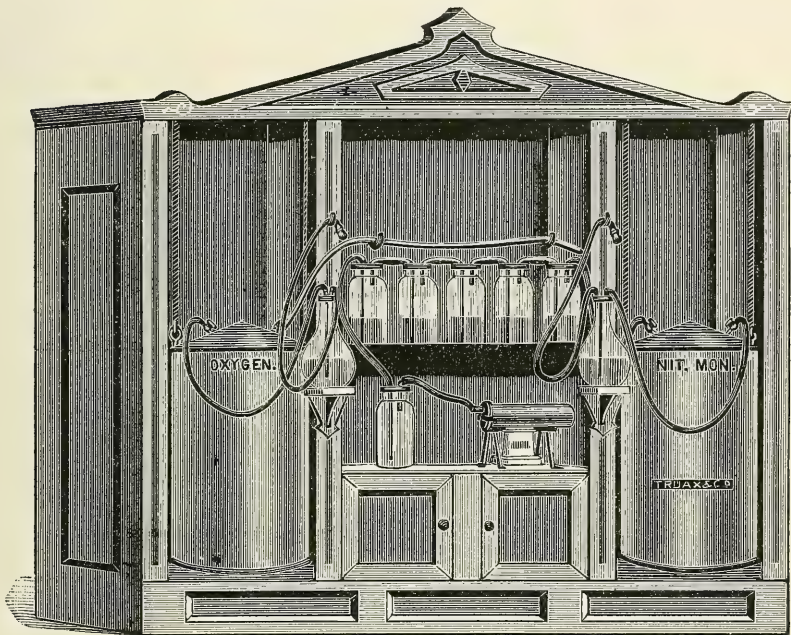


Fig. 4699. Office Outfit No. 2.

OFFICE OUTFIT NO. 2. See Fig. 4699. Consisting of 2 extra quality gasometers, with stop-cocks, cords, pulleys and weights; 8 one-gallon best quality wash bottles, complete with fittings, five of the fittings with bulb bottoms; 1 dispensing gasometer beautifully ornamented; 1 oxygen retort, best quality, with connections; 6 Florence flasks, with fittings and connections; 1 inhaling flask, with silk tubing and mouth-piece; 5 extra sets of wash bottle, fittings; 6 extra mouth-pieces; 1 kerosene or gas heater, as preferred; 1 rubber gas holder (8 gallons) for bedside use; 20 feet $\frac{3}{4}$ -inch extra quality rubber tubing; 8 feet $\frac{1}{2}$ -inch extra quality rubber tubing; 10 pounds of chemicals for making oxygen; 10 pounds of granulated Nitrate Ammonium for making Nitrogen Monoxide; all complete.

PRICE.

Boxed, ready for shipment.....	\$ 90 00
Complete, in fine walnut cabinet.....	150 00
Extra gasometers for the above.....	each 25 00

PRICE LIST.

BAGS, Gas, rubber, with stop-cock, oval, 1 gallon.....	1 75
“ “ “ “ “ 2 “	1 90
“ “ “ “ “ 3 “	2 00
“ “ “ “ “ 5 “	2 50
“ “ “ “ “ 8 “	3 25
“ “ “ “ “ 10 “	5 25
“ “ “ “ oblong 15 “	7 50
“ “ “ “ “ 25 “	8 50
“ “ “ “ “ 35 “	11 25
“ “ “ “ “ 55 “	14 00

Many physicians prefer these to the gasometers, because they occupy so much less space and are capable of being transported to the houses of patients who cannot come to the office for treatment.



OXYGEN APPARATUS.

BOTTLES, Inhaling, fancy, for use with rubber gas bags.....	50
“ “ complete, with cork and fittings.....	90
“ “ “ “ silk tubes and mouth-piece.....	2 00
We can furnish these bottles, in fine colors and fancy figures, at prices ranging from \$1.00 to \$2.00 each, for bottles only.	
BOTTLES, Wash, best quality, ¼ gallon.....	50
Wash, best quality, ½ gallon.....	75
“ “ 1 “ “	1 00
“ “ 2 “ “	1 75
“ “ ¼ “ “ with cork and tubes.....	1 00
“ “ ½ “ “ “ “	1 25
“ “ 1 “ “ “ “	1 50
“ “ 2 “ “ “ “	2 25
A cheaper grade of Bottles will be furnished if desired.	
CABINETS, Skeleton, iron frame (curtains extra), 1 meter size.....	10 00
Skeleton, iron frame (curtains extra), 2 meter size.....	18 00
“ “ “ “ 3 “ size.....	24 00
These Cabinets are finished in black and bronze, and are not only strong and durable, but neat and portable.	
Walnut, finely finished, see Fig. 4699, for 1 meter.....	40 00
“ “ “ “ 2 “	70 00
“ “ “ “ 3 “	100 00
These prices are for the Cabinets only.	
CURTAINS, for Skeleton Cabinets, raw silk, 1 meter.....	12 50
For Skeleton Cabinets, raw silk, 2 meters.....	18 00
“ “ “ “ 3 “	25 00
We will furnish Curtains of Terry, Cretonne, Turcoman and other fabrics, if wanted.	
CORKS, Rubber, price according to size.....each, 15c. to	40
CHEMICALS, for Nitrogen-monoxide.....lb	35
For Nitrogen-monoxide, in 10 lb. lots.....lb	33
“ Oxygen, carefully mixed.....lb	35
“ “ “ “ in 10-lb. lots.....lb	33
FLASKS, Florence, 1 quart, 40c.; ½ gallon, 60c.....	1 gallon 90
GASOMETERS, Storage, complete, with stop-cocks, rings, cords, pulleys and weights, 75 gallons.....	25 00
Storage, complete, with stop-cocks, rings, cords, pulleys and weights, 100 gallons.....	30 00
Dispensing, fine.....	25 00
HEATERS, Gas.....	1 50
Kerosene.....	1 50
Alcohol, tin.....	1 00
MOUTH-PIECES.....each 15c., doz	1 50
RETORTS, Copper, ½ gal.....	5 00
Sheet iron, conical, ½ gallon.....	4 00
“ cylindrical, ½ gallon.....	4 00
“ “ with stand.....	6 00
“ “ best quality, ½ gallon.....	6 00
“ “ “ “ with stand.....	8 00
TUBES, Inhaling bottle, per set.....	25
Wash bottle, beaded, per set.....	25
“ “ with bulb bottom.....	50
Tubes with bulb bottoms are preferable to the ordinary ones, as the oxygen is forced out through numerous small holes in the bulb, bringing it into closer contact with the water and more thoroughly purifying it.	
TUBING, Rubbers, extra quality, ¾-inch.....foot	20
Rubber, extra quality, ¾-inch.....foot	25
“ pure, for inhaling tube.....foot	25
“ worsted, covered.....foot	35
“ silk covered.....foot	50



IMPROVED OXYGEN APPARATUS.

Ever since the beginning of the recent revival of interest in Oxygen, it has been evident that something to take the place of the unwieldy apparatus so long in vogue has become a necessity to the popularization of the remedy. Only specialists are inclined to incur the expense, or make room for the large apparatus, as ordinarily used. Hence, a great deal of study has been devoted to the practical solution of the question of securing **portability**, without surrendering **efficiency**. Several devices have been offered, but until quite recently none of them has combined **thoroughness** with a reasonable degree of compactness and **portability**. This combination has at last been attained, and every physician can now provide himself with a **convenient**, inexpensive and **efficient** apparatus, which is, at the same time, **as portable as a galvanic battery**.

The American Oxygen Association,

The Pioneer in this special field, invites the attention of the medical profession and the trade to its line of both

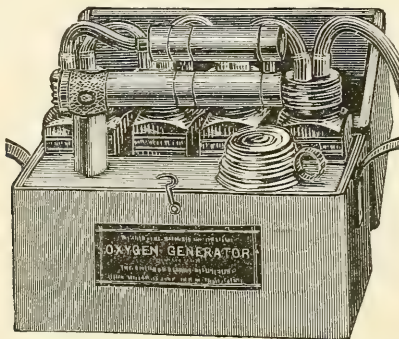
Portable and Stationary Apparatus

which by their elegance, efficiency and compactness are revolutionizing this department of medical practice.



The American Oxygen Association's Apparatus.

Three sizes of Portable Apparatus are supplied as follows:



No. 8. Size of Case, 11x10x6½ in. Capacity, 7 gals. every 10 min.

Style No. 3, "THE ECONOMIC."

- | | |
|--|---------------------------------------|
| 1 Containing Case (polished oak), | 4 Mouth-pieces, |
| 1 Set Wash-bottles and fittings, | 2 Lbs. Prepared Material, in bulk |
| 1 Metal Retort Holder, | (yielding 58 gallons), |
| 1 Gas-cooler and Outlet Tube, | 1 Set Chemicals, for Wash-bottles, |
| 6 Filled Retorts, 7 gal. size (yielding 42 | 1 Inhaling-bottle and fittings, |
| galls.), | 1 Argand Spirit Lamp, and asbestos |
| 1 10-Gallon Gas-holder, | packing, |
| 1 H. R. Stop-cock, | 1 Copy Printed Directions, for using, |
| Price complete..... | \$25.00 |

Style No. 4, "THE MODEL."

- | | |
|--|---------------------------------------|
| 1 Containing Case (polished oak). | 6 Mouth-pieces, |
| 1 Set Wash-bottles and fittings, | 2 Lbs. Prepared Material, in bulk, |
| 1 Metal Retort-holder, | (yielding 58 gallons), |
| 1 Gas-cooler and Outlet tube, | 1 Set Chemicals, for Wash-bottles, |
| 6 Filled Retorts, 10 gal. size (yielding | 1 Inhaling-bottle, |
| 60 gallons), | 1 Argand Spirit-lamp, with asbestos |
| 1 10 Gal. Gas-holder, | packing, |
| 1 H. R. Stop-cock, | 1 Copy Printed Directions, for using, |
| Price complete, net..... | \$35.00 |



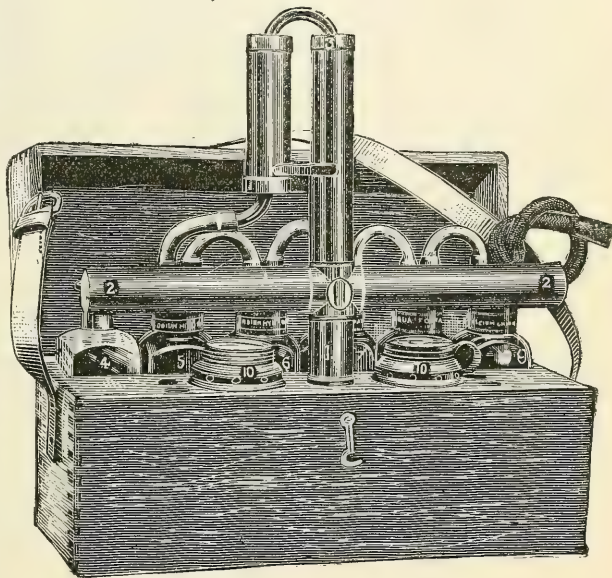
The American Oxygen Association's Apparatus.

NO. 5, "THE CLIMAX."

This large size Generator has almost unlimited capacity, being so arranged, by a system of interchangeable retorts that it can be used continuously, yielding a constant stream of thoroughly purified Oxygen, at the rate of one to two gallons per minute, as long as desired. It proves so efficient for producing the gas in considerable quantities that it is likely to supersede the larger forms of oxygen generators.

Case 16x10x6½ inches; weight 17 lbs.

No. 2. In a finely finished oak case, with 12 retorts, 5 wash-bottles, patent bulb-end hard rubber tubes, 2 Argand spirit-lamps, all needed chemicals, 2 12-gallon gas-holders, 4 plain and 4 diluting mouth-pieces, wash-bottle chemicals, and prepared material sufficient to make 200 gallons of Oxygen,



EXPLANATION OF FIGURES.

- | | | | |
|---------------------------|--------------------|---------------|-------------------|
| 1 Retort-Holder. | 2. 2 Retorts. | 3 Cooler. | 4 Alcohol Bottle. |
| 5, 6, 7, 8, Wash-Bottles. | 9 Inhaling-Bottle. | 10, 10 Lamps. | |

Price complete, boxed for shipment, net\$50.00

All of this company's Portable Apparatus is complete and ready for instant use in the office or at the bedside, without the addition of a single extra item except water for the wash-bottle and alcohol for the lamps.

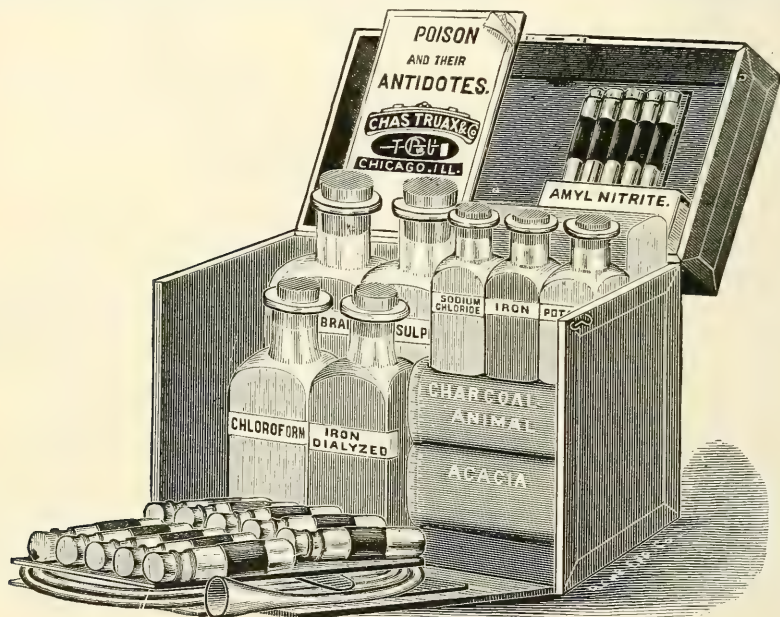
Address, THE AMERICAN OXYGEN ASSOCIATION,

1218 BROADWAY, NEW YORK.

CHAS. TRUAX, GREENE & CO.

CHAS. TRUAX, GREENE & CO'S POISON CASE,

Containing a list of Antidotes as selected by G. W. WEBSTER, M. D.



This is intended for emergency calls in cases of poisoning, and contains twenty-five well selected antidotes to poisons, a German siphon stomach tube, and a pamphlet (edited by Dr. Webster), containing a list of remedies in the case, their doses and administration, together with an alphabetically arranged list of poisons, their symptoms and treatment. The physician who has provided himself with one of these cases may not only be assisted in his diagnosis and the selection of an antidote, but he may save much valuable time by being enabled to promptly administer it.

(The front of this case is turned down, to allow a better view of its contents. They are made with solid fronts.)

PRICES.

No. 1.	Plain, cloth covered.....	\$5 00
No. 2.	Fine finish, leather covered.....	6 50
No. 3.	Same as No. 1, without stomach tube.....	3 50
No. 4.	Same as No. 2, without stomach tube.....	5 00

MANUFACTURED BY

CHAS. TRUAX, GREENE & CO., 75 & 77 Wabash Ave., Chicago.

CHAS. TRUAX & CO. GREENE & CO.

AIR COMPRESSORS, LARYNGOSCOPES AND ACCESSORIES.

There is no class of diseases more general than those of the nares and throat, and the range of possibilities within easy reach of the physician of largely increasing his office practice by making more of a specialty of these ailments, is almost without a limit.

While the great majority of people are sufferers from nasal catarrh in some form, and the treatment of this disease comprises a large percentage of the work for which these appliances are used, yet even in a small practice, cases are frequently discovered whose nasal cavities are, to a greater or less extent, filled with polypi and other growths, whose turbinated bodies are ulcerated, or hypertrophied, or whose pharyngeal vault is in a congested or otherwise diseased condition, requiring intelligent treatment.

The use of the Laryngoscope often discloses some foreign body or growths in the larynx, cases of enlarged tonsils, requiring surgical interference, and complications of a scrofulitic, syphilitic, or tuberculous nature.

That the profession at large have neglected even the most simple cases of these classes of diseases there seems to be no question, and that good results from an investment in an office outfit, for their treatment, can easily be made is equally as certain.

A suitable apparatus for the treatment of these diseases consists principally of a light condenser with a few other diagnostic instruments and some style of an air compressor, for throwing sprays and powders over the diseased parts.

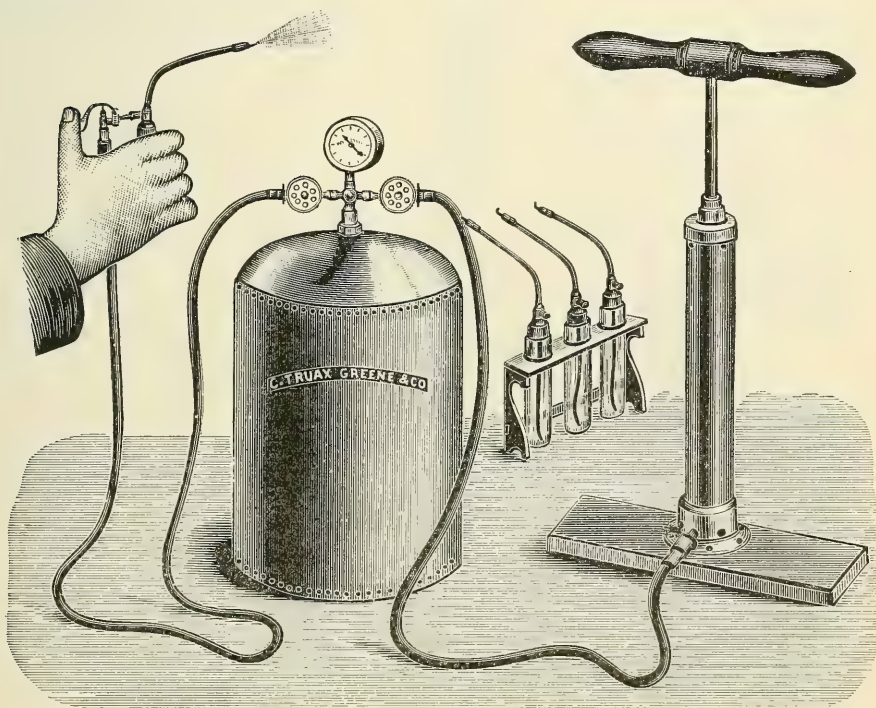


Fig. 4700. Sars Spray Apparatus, complete, \$30.00.

This apparatus consists of a steel riveted gold bronzed receiver, 12x18, or a copper receiver, 7x28, full nickel-plated surmounted by double never leaking wheel valves and gauge registering one hundred pounds. The receivers have been tested to 200 pounds. T pump of modern construction, nickel-plated, set of three hard rubber platinum tipped spray tubes in Rack. Automatic cut-off connected to receiver by silk covered tubing, linen lined tubing between Pump and Receiver. This outfit we guarantee perfect in every detail, and recommend it with the utmost confidence of its proving an indispensable aid to the busy practitioner.



The Physician's Air Compressor Works

OWNED AND OPERATED BY

THE CLEVELAND FAUCET CO.

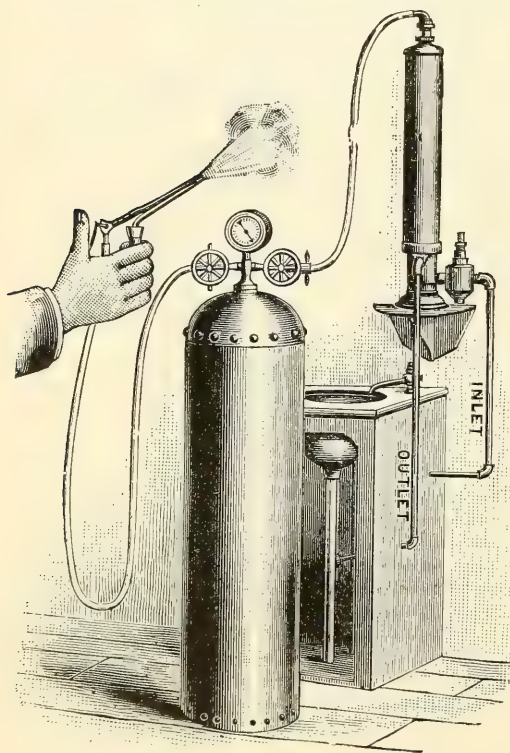
BRASS FOUNDERS

CLEVELAND, OHIO, U. S. A.

MANUFACTURERS OF

Physicians' Hydraulic and Hand Air Pumps, Air Storage
Reservoirs, Etc.

Office and Works, 20 and 22 Frankfort Street, CLEVELAND, O.



The accompanying cut shows our HYDRAULIC AIR COMPRESSOR in use in a Physician's office. By using this perfectly Automatic Pump, a continual steady air pressure is maintained, thus enabling the operator to give his entire attention to the patient.

The Air Storage Reservoir and the Hydraulic Pump can be attached in any convenient place, and if the water pressure which is to operate pump is a low pressure water service, the pump should be connected in the Basement, or at the lowest possible level, (as it is not necessary to place pump and Air Reservoir in the same room) so as to allow the waste water being carried to the sewer connection.

We solicit correspondence, and shall be pleased to furnish additional information regarding the advantages of using our Apparatus for the purpose specified.

Respectfully yours,

The Physician's Air Compressor Works

Owned and Operated by THE CLEVELAND FAUCET CO.

FOR SALE BY CHAS. TRUAX, GREENE & CO.



MOUTH AND THROAT INSTRUMENTS.

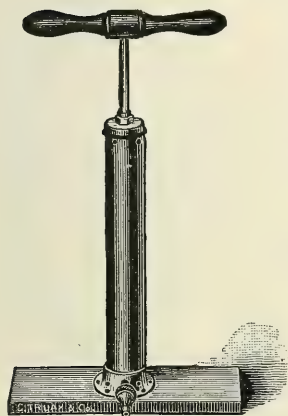


Fig. 4709. Plain Hand or "T" Pump, nickel-plated, \$6.00.

Experience has demonstrated that the employment of compressed air is the most thorough and efficacious method of applying either solutions or powders to the sinuses of the nares, the cavities of the larynx and pharynx and to the tubes and air cells of the lungs; and that better results are obtained by using air more highly compressed and in greater volume than can be obtained with hand atomizers.

Not only is this method more satisfactory to both physician and patient, but through it patients may be interested in their condition and induced to present themselves more regularly and frequently for treatment, thus bringing the physician into daily contact with a greater number of patients, and thereby increasing his office practice and income.

An air compressing outfit consists of an air pump and a receiver, together with a suitable cut-off and spray tubes. The combination pumps and receivers are not of sufficient force and size to meet the wants of the specialist, and are consequently purchased almost exclusively by practitioners, many of whom, losing sight of the fact that a complete and attractive outfit will largely increase their office practice, order them under the impression that because they will answer their present wants they will fill all the requirements of the future. That they do not answer the purpose in quite a percentage of cases is evidenced by the large number of requests made by customers, who, having purchased some cheap form of an outfit and finding the investment more profitable than they anticipated, are desirous of exchanging it for something better. Experience has convinced us that it is much more profitable for the physician to purchase a good outfit at first and educate his practice to its use, than to buy a simple apparatus only to find that it is insufficient for his needs and that his patients require something better and more complete.

The most common form of pump in use is the ordinary old style hand or "T" pump, shown by Fig. 4709. They cannot be used successfully where a high pressure is desired (over 50 lbs.) and are only intended for filling small receivers, or those used with a low pressure. The cylinders are handsomely nickel-plated, and mounted on a neat walnut base.

Fig. 4713 shows the McLean force pump. - This pump, although of small size, works with but little friction, and while the stroke is short it may be operated with enough greater speed to compensate the loss. This pump is fully guaranteed to give good satisfaction, and customers need have no hesitancy in ordering it.

The Oscillating Pump, shown by Fig. 4715, is by far the most satisfactory of any hand apparatus in use, and we particularly recommend it to all who desire a pump that will give a high pressure in a limited space of time. It can be operated much easier than any other form, and, as the motion is rotary, it does not tire or strain the operator like other patterns. It is supplied with a valve in the bottom of the cylinder, which prevents the return of the air from the receiver, and as it is provided with a heavy fly-wheel, the motion is even, easy, and may be made rapid. The iron work is handsomely finished and ornamented, the cylinders are polished, and nickel-plated.



MOUTH AND THROAT INSTRUMENTS.

the base is of a neat and attractive pattern, and it makes a valuable addition to an office outfit.

We are prepared to supply this Pump in combination with our new Air Receiver. The base, column and fly wheel are made of iron, japanned in black and ornamented in bronze; the extreme height is 42 inches, the base is 14 by 24 inches, and the wheel 24 inches in diameter. The Pump and Air Receiver are made of brass, highly polished and nickel-plated. The Air Receiver is 32 inches high and 9 inches in diameter, provided with a 50 pound gauge and two exhaust valves, and thoroughly tested to 100 pounds hydraulic pressure, warranted to be air-tight.

The Pump has most excellent valves, thereby greatly increasing its working capacity, the chamber is $2\frac{1}{2}$ inches in diameter by 7 inch stroke.

The whole apparatus is well made and handsomely finished, especially adapted as an ornament to a physician's office, occupying only a small space.

For customers who desire a heavier pump and one that will run with greater

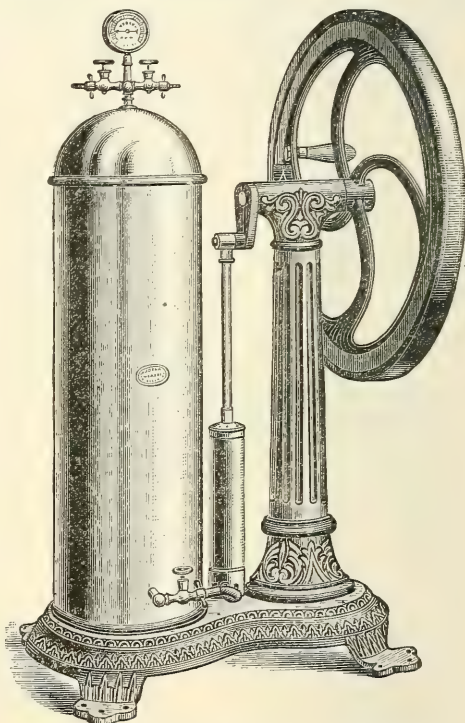


Fig. 4712. Oscillating Pump and Receiver, complete, \$65.00.

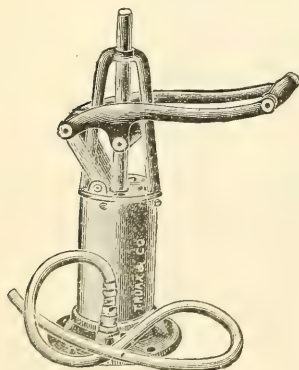


Fig. 4713. McLean's Pump, \$12.50.

force, we can supply the Oscillating pump constructed with two fly-wheels, as shown in Fig. 4717. The pump is heavier and stronger than Fig. 4715, and can be used where greater pressure is desired. Our Oscillating pumps are constructed so that they may be operated by means of electro motors. These motors we can supply on short notice, and adapt them to any of the standard electric currents. See next page.

The Hydraulic pump, shown on page 1312, is intended for use in cities having a system of water-works, and are the most satisfactory and economical force pumps in use. They are automatic in their action and require no attention beyond occasional oiling. They work by being attached to a water-pipe, provided with suitable escape or sewerage; and once in operation, they will maintain an even pressure in the receiver (unless too rapidly drawn from) at all times. This pressure will about correspond with the water pressure, the pump commencing to work whenever the force of the water is above that of the air in the receiver. As the water pressure is usually much higher during the night, it is advisable to purchase large receivers to use with them, in order to secure a considerable volume of air when the force is at its highest point.



MOUTH AND THROAT INSTRUMENTS.

They are supplied with two automatic valves, one admitting the water from below and allowing the escape into the receiver of the air contained in the cylinder. As soon as the cylinder is filled with water, this valve is closed and the other opened, allowing the escape of the water and permitting the fresh air to fill the cylinder. The water, passing out of the cylinder by simple force of gravity, causes a partial vacuum, which forces the piston downward until the stroke is complete, when the second valve closes and opens, and the operation repeated.

Our stock of receivers embraces a large number of patterns, manufactured from galvanized iron, steel and copper, all of which are guaranteed equal to any.

The cheapest form is of galvanized iron. These are well made from the best material, are neatly bronzed, and will stand a pressure of 25 pounds to the square inch. In connection with the hand pump, Fig. 4709, they form a cheap outfit.

Fig. 4723 shows a steel receiver of a very desirable pattern, as they are capable of sustaining a pressure of from 1 to 100 pounds to the square inch for any length of time. They are supplied with never-leaking valves, of a new pattern, and with good care will stand many years of constant use; they are neatly bronzed and the gauges and fittings are finely polished and plated.

By far the neatest piece of office furniture in this

line of goods is shown by Fig. 4722, and we recommend them to purchasers who desire something that will assist in making an office attractive. They are made of copper, handsomely polished and nickel-plated, and supplied with never-leaking valves, and will stand from 1 to 200 pounds' pressure to the square inch. They can be placed on a small stand, table, suitable bracket or shelf.

Fig. 4720 shows a copper receiver, finished the same as the one last above mentioned, but intended to stand on a table or on a small base. Either of the two latter are recommended for use with Hawley's stand, as illustrated and described on page 1331. Those who require larger receivers than the two above last mentioned, yet who desire something as well finished as these are recommended to purchase, in addition to either Fig. 4722 or 4720, one of the large sized ones, shown by Fig. 4723. This extra receiver may be placed in an adjoining room, in a cabinet or behind a curtain, and then connected with the copper one, so that it may be used for storing away surplus air, to be used should occasion ever require.

The accessories required for use with an air compressor consist of a cut off, spray tubes, inhaler and some form of a powder blower. The two latter, however, may be dispensed with, although they are valuable and necessary additions to a complete outfit.

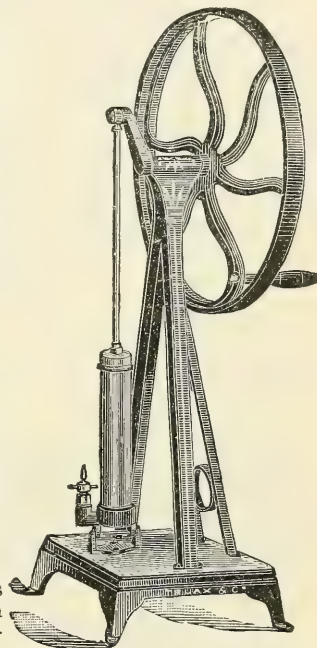


Fig. 4715. Oscillating Air Pump, \$25.00.

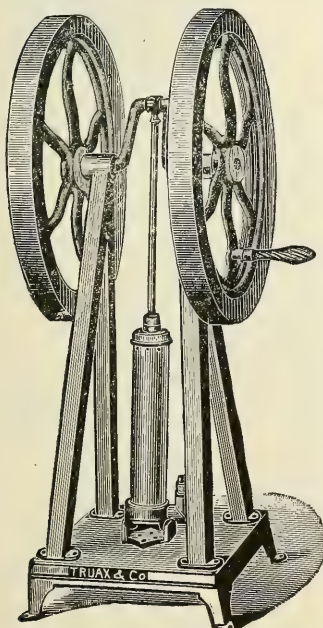


Fig. 4717. Double Wheel Oscillating Air Pump, \$50.00.

HAS TRUAX & GREENE & CO.

MOUTH AND THROAT INSTRUMENTS.

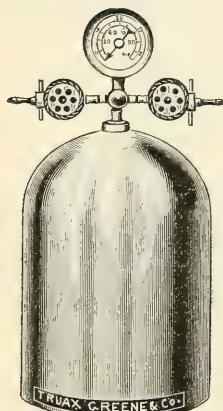


Fig. 4720. Copper Receiver, with Gauge.

DIAM.	HEIGHT.	PRICE.
9 inch.	12 inch.	\$18 00
12 "	18 "	22 00



Fig. 4722. Copper Receiver, with Gauge.

DIAM.	HEIGHT.	PRICE.
7 inch.	28 inch.	\$22 00
10 "	30 "	30 00



Fig. 4723. Steel Receiver, with Gauge.

DIAM.	HEIGHT.	PRICE.
12 inch.	18 inch.	\$18 00
12 "	30 "	22 00
12 "	48 "	30 00
12 "	72 "	35 00

A very satisfactory cut-off will be found in the "Automatic" illustrated by Fig. 4727. As shown there, it is in its natural position; no amount of pressure being sufficient to force air through it. The dotted lines show it with the thumb-piece depressed, permitting the free passage of the compressed air. They are each provided with three thimbles or ferules, as shown in the illustration, for use with the Sass and similar spray tubes.

Fig. 4728 shows a cut-off manufactured by the Davidson Rubber Co. This has been found a serviceable pattern, and as it is lower in price than the Automatic it is preferred by many. It is manufactured in a workmanlike manner, and is not liable to get out of order.

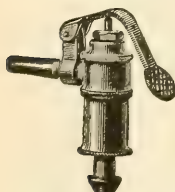


Fig. 4728. Davidson Cut-off, \$1.25.

Davidson cut-off No. 21. is provided with an attachment which allows the air in the bottle to escape when the supply in the compressor is shut off which stops the spray from the tube at once.

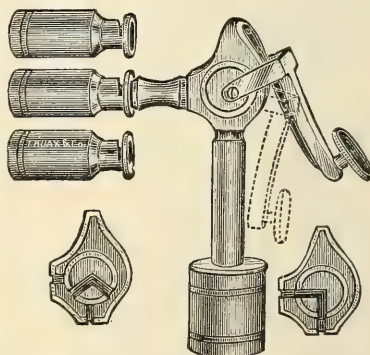


Fig. 4727. Automatic Cut-off, with three thimbles for tubes, \$3.00. See above.

CHAS. TRUAX & CO. GREENE

MOUTH AND THROAT INSTRUMENTS.

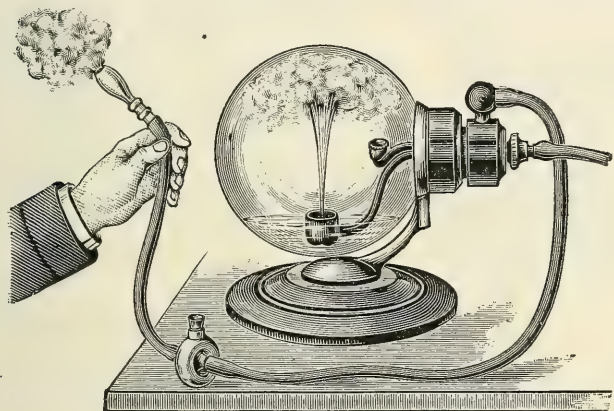


Fig. 4747. Geyser Vaporizer. Complete \$12.00

The Globe Nebulizer for vaporizing all classes of remedies, Balsams, Oils Aqueous Solutions, etc.

By its use the remedies are applied in actual substance to any part of the respiratory tract.

Price complete\$4 00

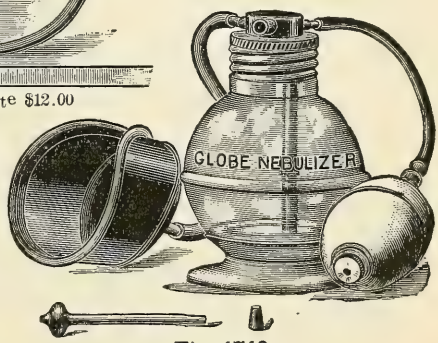


Fig. 4749.

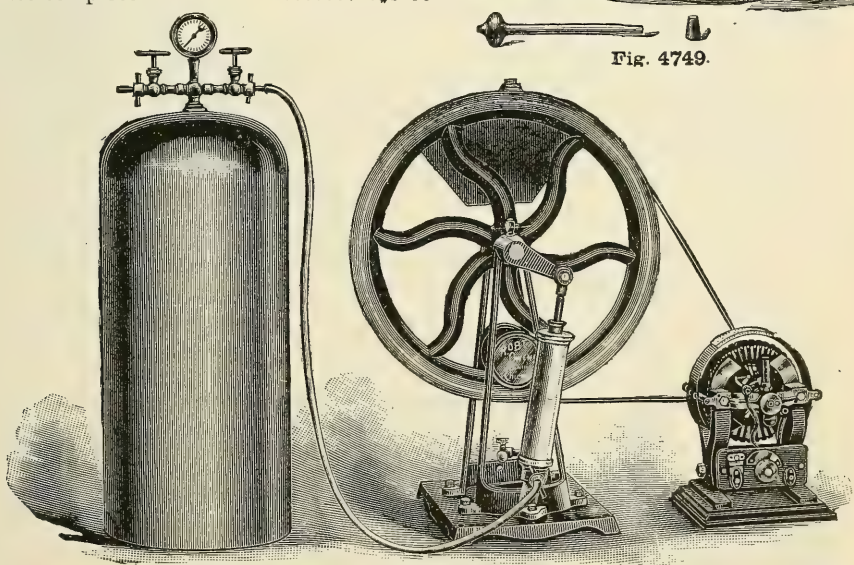


Fig. 4733. Electric Motors for Compressed Air Outfits.

Edison's	110 Volt,	$\frac{1}{8}$	horse-power Motor	.....	\$35 00
"	"	$\frac{1}{4}$	" " "	.....	55 00
C. & C.	"	$\frac{1}{8}$	" " "	.....	32 00
"	"	$\frac{1}{4}$	" " "	.....	90 00
Air compressing pump, non-heating				.....	40 00

HAS TRUAX & CO. GREENE & CO.

MOUTH AND THROAT INSTRUMENTS.

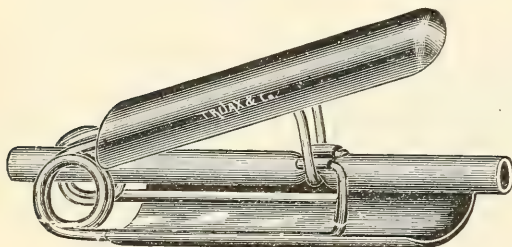


Fig. 4734. Devilbiss' Cut-off, \$1.00.

A neat tube compressor is the Devilbiss, as illustrated by Fig. 4730. It has a strong grip, and is of a serviceable pattern. It will not answer, however, for compressing covered tubing, being intended for use with ordinary rubber tubing and receivers working at a low pressure.

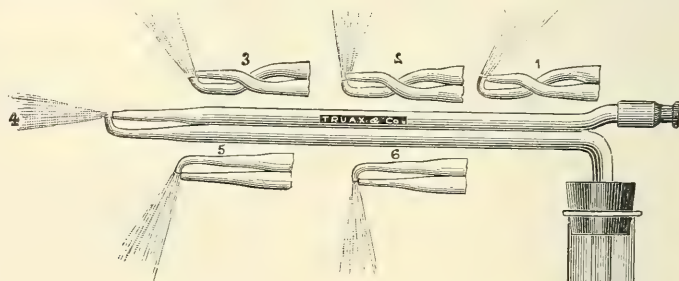


Fig. 4735. Sass Spray Tubes, 6 patterns, glass, heavy, best quality, each, 80c.; glass with metal couplings, \$1.00; hard rubber, \$1.75; metal, \$1.25. Bottles with ordinary cork, 15c; with rubber cork, 25c.

While there are a great many patterns of spray tubes in the market, there are but four that are in much demand—Sass', Devilbiss', Rumbolt's and Davidson's. The Sass Spray Tube is the most common form, and we manufacture them of either glass, hard rubber or metal, throwing sprays in any of the six directions shown by Fig. 4735. Those made of glass are the most satisfactory, and, being non-corrodible, all kinds of fluid may be used in them without damage to either liquid or tube. They are particularly desirable for use with solutions of acids, iron, iodine, etc. The hard rubber ones, although more durable, are not so cleanly, and the metal ones, while much stronger than the others, are not admissible for use with solutions of a corrosive nature.

A modification of the Sass Tube has been manufactured by the Davidson Rubber Co. and placed on the market as their Atomizer No. 65. See Fig. 4736.

These atomizers ARE MADE ESPECIALLY FOR THE USE OF PHYSICIANS in connection with the Sass Condenser, but if it is desired to operate the instrument with a Bulb, a Tubing Connection accompanies each instrument, which can be attached to the Bulb and used in the place of the condenser.

THE TUBES are the same style as the Davidson Atomizer No. 59, and CAN BE EASILY CLEANED, the Bottles are of extra length and the whole is set in a neat and convenient hard-wood rack.

Their superiority over the glass tubes is their DURABILITY and the SLIGHT AIR PRESSURE OF FOUR POUNDS

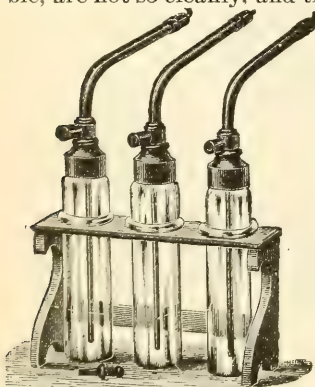


Fig. 4736. Davidson's Sprays, No. 65, price for set, \$3.50.



MOUTH AND THROAT INSTRUMENTS.

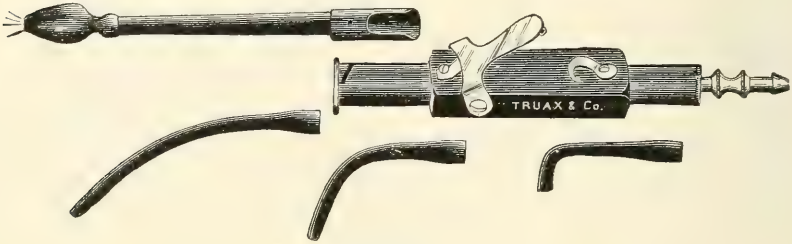


Fig. 4741.

MORGAN'S POWDER BLOWER.....\$5 00

Among the many Powder Blowers suitable for use with compressed air, we particularly recommend two, one devised by Dr. E. Carroll Morgan, of Washington, D. C., and the one shown by Fig. 4744. The former is a perfect instrument, suited to the wants of the specialist and others who need an instrument for frequent and constant use. As shown by Fig. 4741, it consists of a hard rubber handle, to which is attached a scoop for holding the powder. The powders should be kept in small wide-mouthed bottles so that the quantity to be administered may be taken up in the scoop and the latter attached to the handle when it is ready for use. It is provided with four tips, rendering it applicable for all kinds of work.

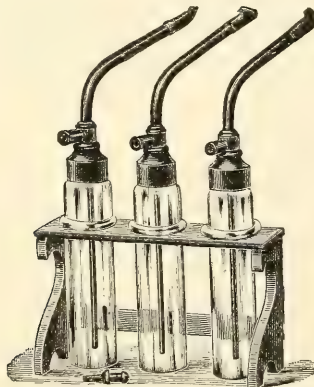


Fig. 4744. Davidson's Powder Blower, with three tips, \$3.50; with 12 tips, \$4.50.

This set of Powder Blowers is manufactured specially for the use of physicians in their office practice and is intended to be used in connection with an air tank, or if desired they can be operated by the ordinary bulb and tubing.

These tubes are made in a style similar to the No. 65 Atomizer, but each tube is supplied with one or four tips.



MOUTH AND THROAT INSTRUMENTS.

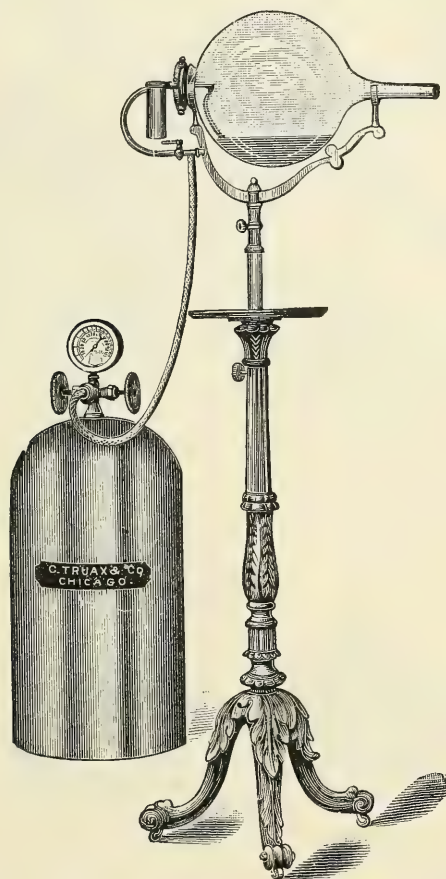


Fig. 4746. See description below.

GLOBE INHALER, on stand\$30 00
 Globe only, \$3.00; with trimmings, \$12.00; and bracket..... 20 00

It is now a well recognized fact, among laryngologists and specialists, that great benefits may be derived from the use of suitable inhalers in the treatment of throat and lung difficulties, and among the many appliances devised for this purpose we have found the ordinary Globe Inhaler and the Geyser Vaporizer to give the best satisfaction. The first is illustrated by Fig. 4746, and consists of a pear-shaped glass vessel about nine inches in diameter and eleven in length, the smaller end terminating in a funnel-shaped mouth-piece, from which the patient inhales the medicated spray. The larger end is provided with an opening covered by a well-fitting metal cap, through which the spray tube passes into the globe. The fluid to be atomized may be placed in the bottom of the globe or in a spray tube bottle suspended as shown in the illustration. The Inhaler is firmly mounted on a handsome iron stand, so arranged that it may be turned in any direction, or adjusted to any height.

CHAS. TRUAX & CO. GREENE

MOUTH AND THROAT INSTRUMENTS.

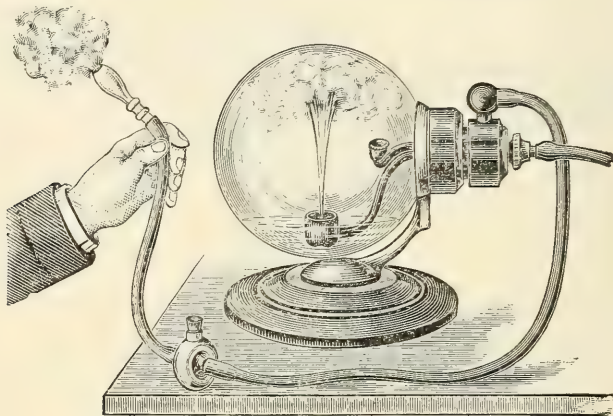


Fig. 4747. Geyser Vaporizer. Complete, \$12.00.

This Vaporizer consists of a glass globe, six inches in diameter, into which the liquid is thrown in connection with the air jet. So completely is the liquid broken up or atomized that it arises from the nozzle in the form of a vapor or mist.

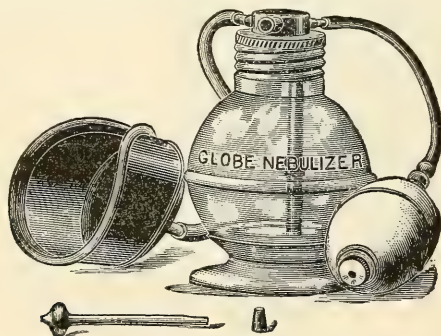


Fig. 4749.

The Globe Nebulizer for vaporizing all classes of remedies, Balsams, Oils Aqueous Solutions, etc.

By its use the remedies are applied in actual substance to any part of the respiratory tract.

Price, complete.....\$4 00

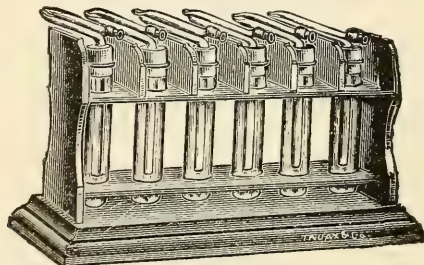


Fig. 4750. Rack for Sass' Spray Tubes, \$2.00.

HAS TRUAX & GREENE & CO.

MOUTH AND THROAT INSTRUMENTS.

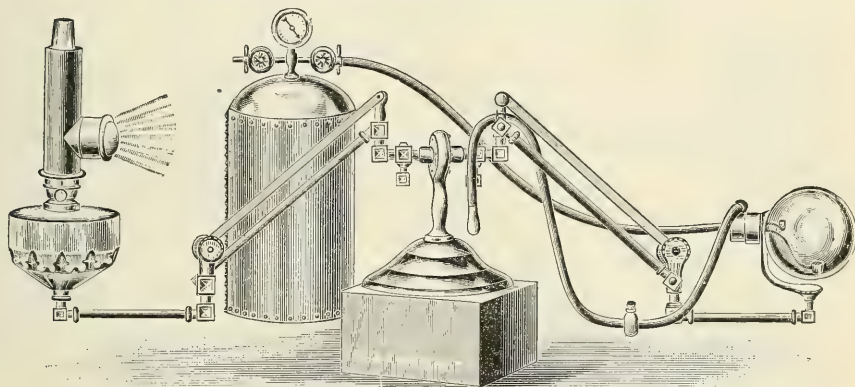


Fig. 4751. THE "COUNTRY PRACTITIONER'S" DOUBLE TABLE BRACKET.

Double Table Bracket, as per illustration, Fig. 4751, exclusive of air receiver.....\$42 50
Air Receiver, for prices see page 1316.

"T" Air Pump, Fig. 4709..... 8 00
Oscillating Air Pump, Fig. 4715..... 30 00

This finely finished nickel-plated, double Table Bracket is a desirable addition in the office of the physician who has not the advantage of gas or electric light. These brackets are adjustable both vertically and laterally; they may also be set to any position within their own length. The base is furnished with a strong screw and nut so that the apparatus may be firmly secured to a table. One of the arms carries an oil lamp mounted with Mackenzie's light condenser; the other is furnished with the Geyser nebulizing atomizer, see page 1322.

This is an efficient outfit for laryngeal examination and treatment of the whole of the respiratory tract even to the lung cells.

Regular naso-pharyngo-laryngeal atomizing tubes with a cut-off may be added to this outfit at a slight additional cost.

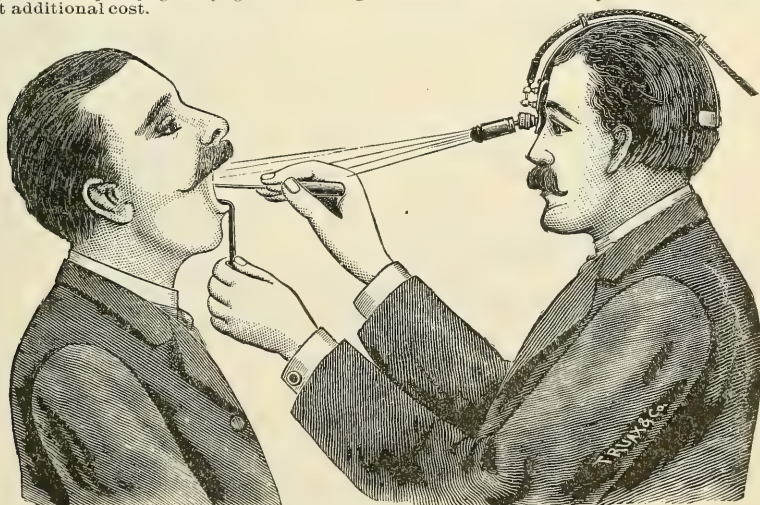


Fig. 4753. ELECTRIC LARYNGOSCOPE.

This shows an Electric Laryngoscope attachable to a portable battery. It consists of a cylinder telescoping from 1½ to 2 inches long and is ⅝ of an inch in diameter, provided with two powerful lenses. This instrument when lighted throws a white, brilliant light of 6 to 8 candle power, directly upon the object in the focus. This instrument is particularly adapted to the wants of the specialist. By removing it from the head it may be used as a hand illuminator in examining any of the cavities of the body. Price, in neat case, including pair of conducting cords and one extra lamp..... net, \$13 50

HAS TRUAX & CO. GREENE & CO.

MOUTH AND THROAT INSTRUMENTS.

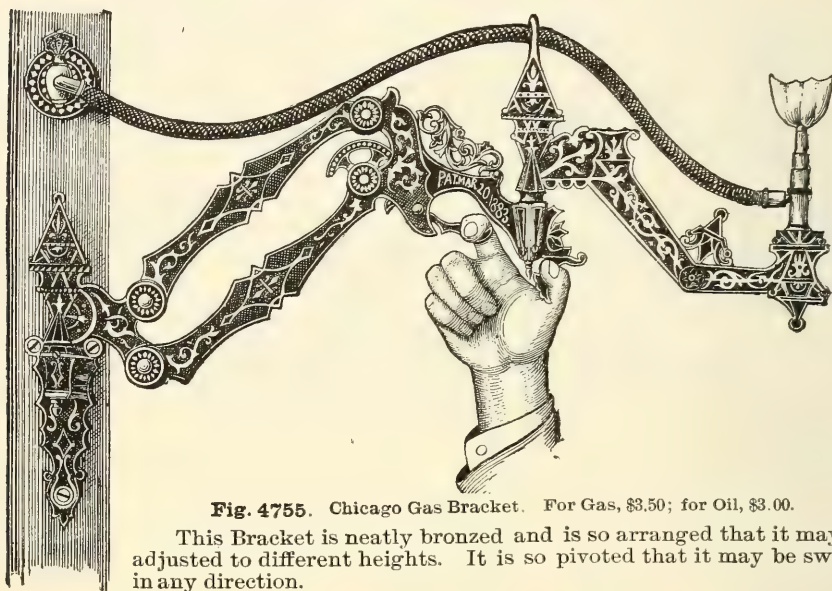


Fig. 4755. Chicago Gas Bracket. For Gas, \$3.50; for Oil, \$3.00.

This Bracket is neatly bronzed and is so arranged that it may be adjusted to different heights. It is so pivoted that it may be swung in any direction.

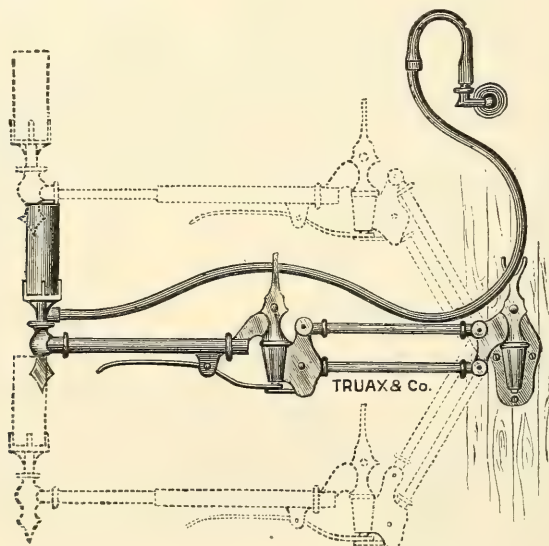


Fig. 4757. S. S. Bishop's Bracket, \$9.25; with Condenser, \$12.25.

Bishop's bracket will be found a useful pattern, as it may instantly be adjusted to any position. Besides turning to the right or left, it may be elevated or lowered to meet the wants of special cases. A condenser, also devised by Dr. Bishop, can be furnished with it at an extra cost of three dollars.

HAS TRUAX & GREENE & CO.

MOUTH AND THROAT INSTRUMENTS.

Adjustable Drop Light.

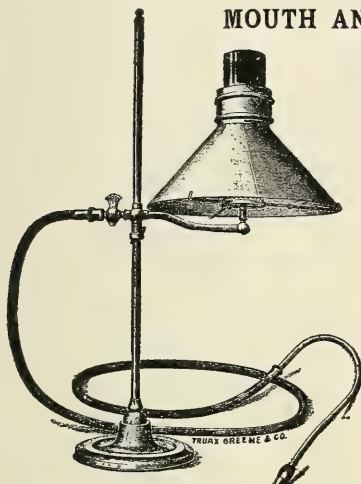


Fig. 4762.

This illustration (Fig. 4764) represents our adjustable gas stand with double arm, combined with our laryngoscope. The stand is 24 inches high, and the inside iron base is fastened to the desk or table with three screws, which however are covered with the spun nickel base. The arm when extended, measures 18 inches and is raised and lowered by means of a set-screw. It is highly polished and nickel-plated.

Price of stand, including burner, chimney, six feet gas tubing and patent goose-neck connection, \$6.25.

Price, complete with laryngoscope, \$16.50.

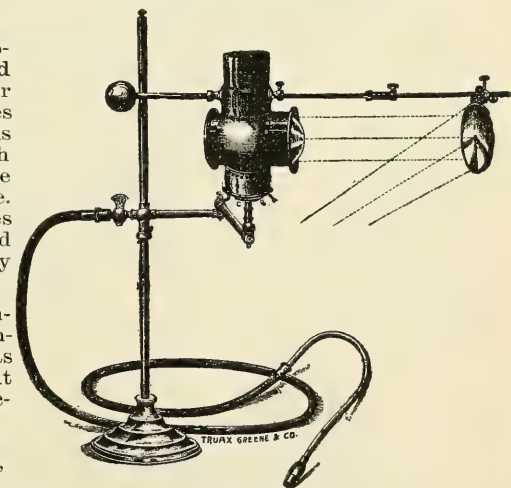


Fig. 4764.

TELESCOPING GAS STAND.

For the greater convenience of those who use our improved laryngoscope, we have constructed an adjustable gas stand, (Fig. 4760) in two sizes. The smaller size is for the desk or table, the larger to be placed on the floor, near the couch of the patient.

They are very strongly made, have a heavy iron base to increase steadiness and have a generally neat appearance. The rod B, supporting the burner is very readily raised or lowered after slightly loosening the center screw; by tightening the same the burner support is held firmly in position and the joint is made gas-tight.

No. 1. Large size stand, nickel-plated, with Argand burner and chimney, height 48 inches, \$9.00.

No. 2. Small size stand, nickel-plated, with Argand burner and chimney, height 18 inches, \$6.50.



Fig. 4759.

CHAS. TRUAX & CO. GREENE & CO.

MOUTH AND THROAT INSTRUMENTS.

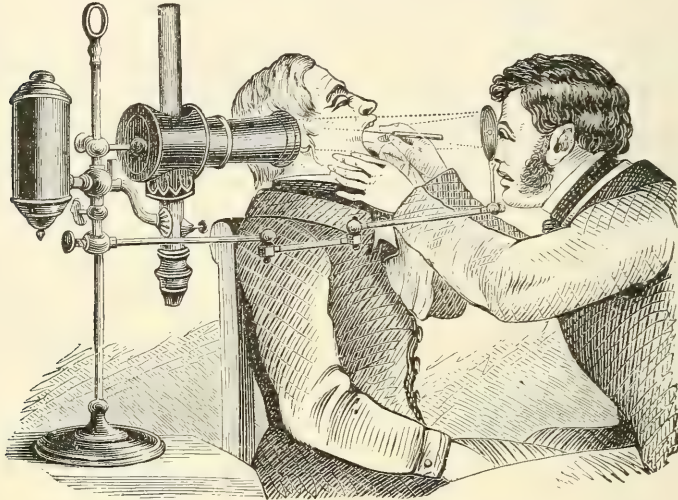


Fig. 4763. Tobolt's Large Laryngoscope.

Tobolt's Laryngoscope (Fig. 4763) has been so long before the medical profession that a lengthy description of it here is not necessary. In brief it consists of a long reflecting tube provided with three lenses, one at the opening or mouth and the other two near the light. It is also provided with a long jointed bracket for holding the mirror, so arranged that it can be moved to the right or left and accommodated to the wants of the operator. The different parts can be attached to a student's lamp or an argand gas burner, with either of which it will give a powerful light.

PRICES.

Complete, with two Throat Mirrors, Head Mirror and Student's Lamp.....	\$18 00
Without Student's Lamp.....	14 50

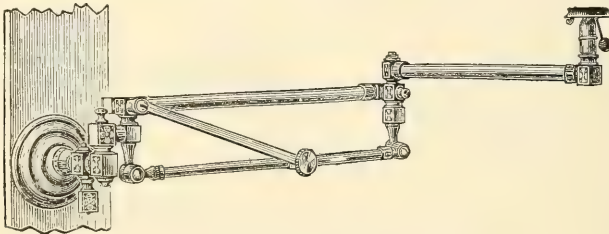


Fig. 4765. Adjustable Gas Bracket.

This bracket we manufacture with various attachments suited to any of the Laryngoscopes previously mentioned. It can be moved easily from side to side or raised or lowered to any desired height. By means of the thumb screw shown in the illustration it may be held firmly when the proper elevation is reached.

PRICES.

Plain, when fitted for Mackenzie's or Boeker's Laryngoscope	\$6 00
For Devilbiss' Laryngoscope.....	6 50
For Tobolt's	7 00

HAS TRUAX & GREENE & CO.

MOUTH AND THROAT INSTRUMENTS.

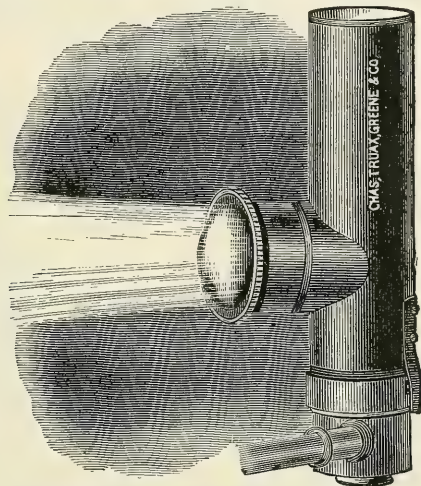


Fig. 4767. Mackenzie's Light Concentrator, \$3.50.

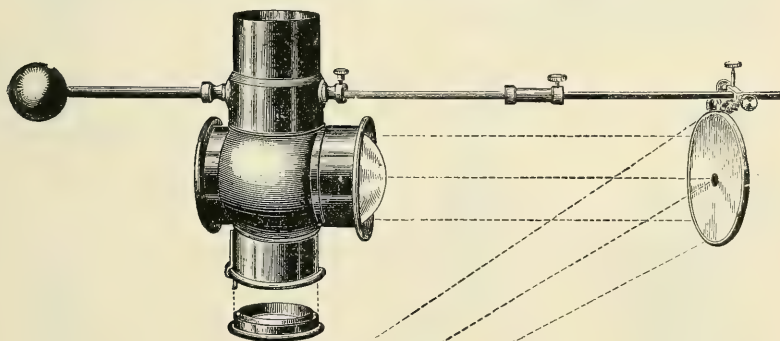


Fig. 4769.

BOEKEL'S BRACKET AND LARYNGOSCOPE, Complete, without lamp.....	\$10 00
Without concave mirror.....	7 50
Four-inch Condenser alone, without bracket or mirror bar.....	5 00

This improved combination (illustrated by Fig. 4769) gives a powerful light, owing to an improved flame chamber having a reflector in its rear. The mirror is attached to a rod or bracket fastened to a band adjusted so as to slide over the chimney. The rod can then be pushed through a hole provided in the chimney wall, thus preventing the moving of the rod and making it impossible for it to get in a position that is not parallel with the focal line. The mirror is attached to the extreme end of the rod by means of a ball and socket joint, allowing it to be adjusted as necessary. It has a ball-shaped weight to counter-balance the mirror when the whole is adjusted to a bracket or lamp.

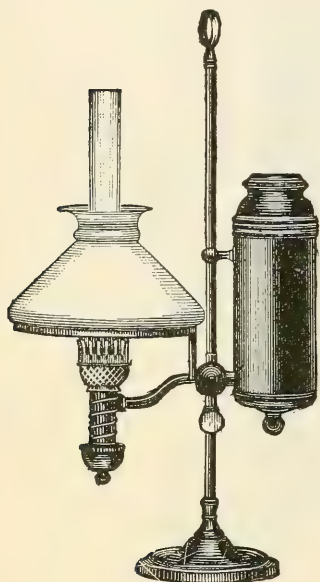


Fig. 4768.
Perfection Student's Lamp.

The Perfection Student Lamp.

TIN OIL RESERVOIR.

The Above cut illustrates the No. 1 **Perfection Student Lamp**, with tin oil reservoir, spring valve and screw attachment, by means of which the reservoir is securely locked into the receiver. This prevents the raising of the reservoir by accident or carelessness whilst the lamp is in use.

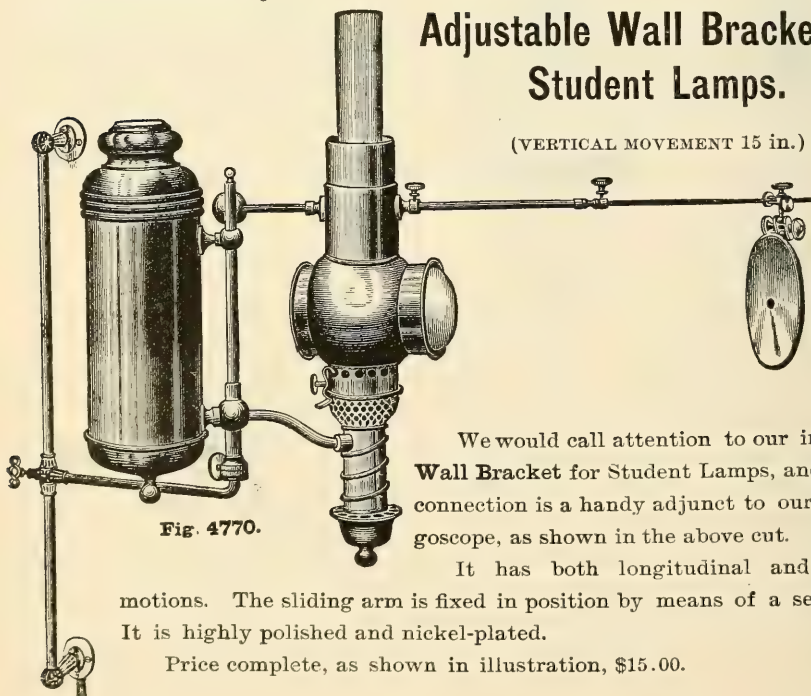
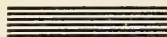


Fig. 4770.

Adjustable Wall Bracket for Student Lamps.

(VERTICAL MOVEMENT 15 in.)

We would call attention to our improved **Wall Bracket for Student Lamps**, and in this connection is a handy adjunct to our Laryngoscope, as shown in the above cut.

It has both longitudinal and lateral motions. The sliding arm is fixed in position by means of a set-screw. It is highly polished and nickel-plated.

Price complete, as shown in illustration, \$15.00.

HAS TRUAX & GREENE

MOUTH AND THROAT INSTRUMENTS.

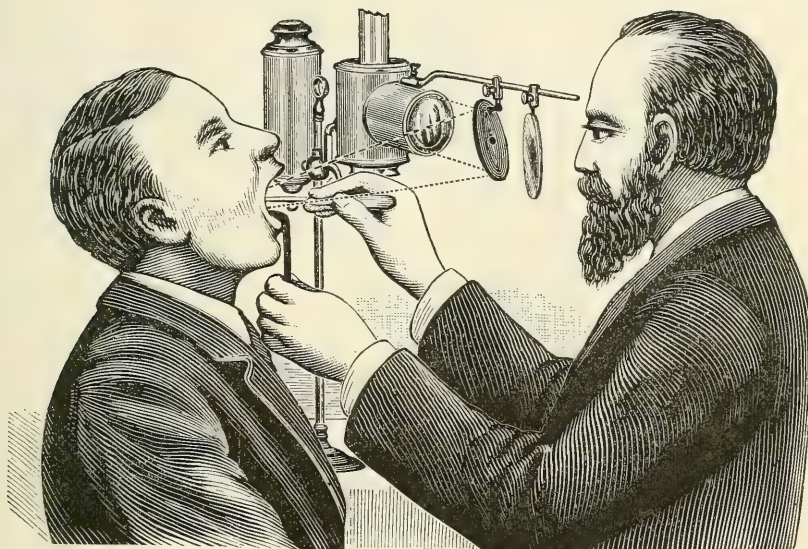


Fig. 4771. Devilbiss' Laryngoscope.

This Laryngoscope is a modification of Mackenzie's Light Concentrator, and although simpler in construction than Tobolt's, yet it possesses several advantages not found in the latter instrument.

It is provided with two mirrors, one plain and the other concave, both of which are attached to a stationary mirror-bar by means of ball and socket joints, so arranged that they may be easily changed to any position on the bar, and inclined at any angle.

The plain mirror enables the physician to show his patient the condition of the affected parts, and, if needing treatment, explain its necessity. By this method patients may oftentimes see the extent and nature of their disease, and thus be induced to receive treatment, who might otherwise consider it of but little importance, not demanding medical assistance. We venture the assertion that patients will go for years with an ulcerated or otherwise inflamed condition of the nares, who, if shown the actual state of affairs, would give the matter the attention the case demanded, for not one out of a large number, who, if the same diseased condition existed externally, would not seek medical assistance, and that promptly. If deemed advisable the patient may be shown from time to time the changing condition of his disease, and thus kept interested in its treatment. By this device the patient can see to keep himself "in light," thus relieving the physician from the necessity of frequently adjusting the mirror.

This Laryngoscope can be adjusted to a student's lamp, and may be raised or lowered by means of a single set screw. This advantage will be appreciated by those who have used the "Tobolt," for in order to change the height of the latter, it requires the adjustment of three screws.

PRICES.

Laryngoscope, complete, with Mirrors and Lamp.....	\$13 50
Laryngoscope, complete without Lamp.....	10 00

CHAS. TRUAX & CO. GREENE

MOUTH AND THROAT INSTRUMENTS.

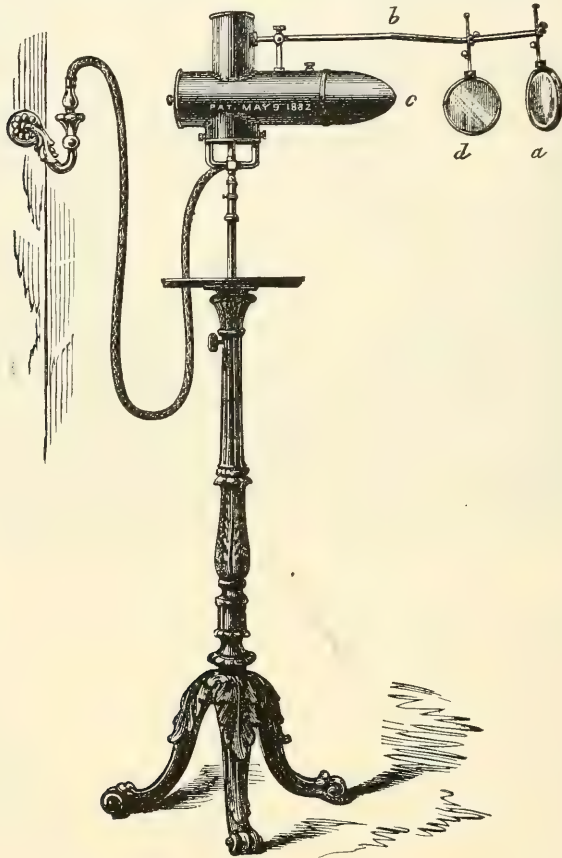


Fig. 4773. The Improved Laryngoscope.

The improved Laryngoscope is intended for use either with Hawley's Laryngeal Stand, described on page 1331, or with the stand shown in the illustration above. This instrument is constructed from the latest designs and most improved principles, and will give perfect satisfaction to the most exacting specialist. The stand admits of the condenser being placed close to the head of the patient, and as the body of the instrument is hung on a pivot it may be turned in any direction or adjusted to any height. The mirrors are two in number, one plain, the other concave. The plain mirror enables the operator, when deemed advisable, to show his patient the condition of the affected parts, and the patient may be instructed so he will maintain a steady position and keep himself in light.

PRICE.

Complete, as shown in Fig. 4773.....	\$50 00
“ for Hawley's Stand, Fig. 4775.....	35 00

HAS TRUAX & GREENE & CO.

MOUTH AND THROAT INSTRUMENTS.

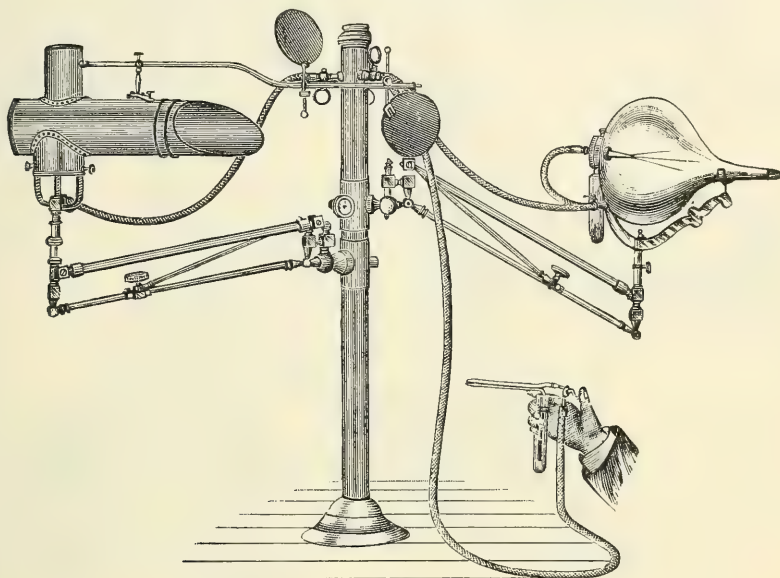


Fig. 4775.

HAWLEY'S LARYNGEAL STAND, without Inhaler or Laryngoscope.....	\$60 00
Inhaler and Bracket.....	20 00
Laryngoscope, as shown in illustration.....	35 00
Stand, complete, with silk tubing, cut-off and three spray tubes, as shown above.....	120 00

Any Laryngoscope desired will be furnished with it.

Fig. 4775 shows Dr. G. F. Hawley's Laryngeal Stand, for use with an Inhaler, Laryngoscope or Oxygen Apparatus. This is one of the finest designed and most attractive and ornamental pieces of office furniture ever manufactured, and physicians who have purchased them from us (whose addresses we will furnish if desired) unhesitatingly pronounce them the most satisfactory and profitable investment ever made in an office outfit.

It consists of an upright pillar, to which are attached two or three arms for holding a Laryngoscope, Inhaler or other apparatus. The arms are jointed so that they can be swung in any direction or adjusted to any height. The compressed air, gas or oxygen is conducted from the base to the top of the pillar by means of three metal tubes, each of which is provided with a stop-cock, as shown near the apex of the pillar. The whole apparatus is finely polished and handsomely nickel-plated, no pains having been spared to make it the most attractive addition to an office outfit ever offered to the medical profession. We can furnish them arranged for use with either the Globe or large sized Evans' Inhaler, or for any form of Laryngoscope or other apparatus desired.

Laryngoscopes may be had of various patterns, ranging in price from the simple Mackenzie's Light Concentrator, Fig. 4767, to the elaborate one shown by Fig. 4773. The Mackenzie's Concentrator is arranged so that it can be adjusted to both gas and student's lamps, and although it is so plain as to have a very limited sale, yet it is in use by some of our leading specialists.



WHITALL, TATUM & CO'S

PHENIX STEAM ATOMIZER

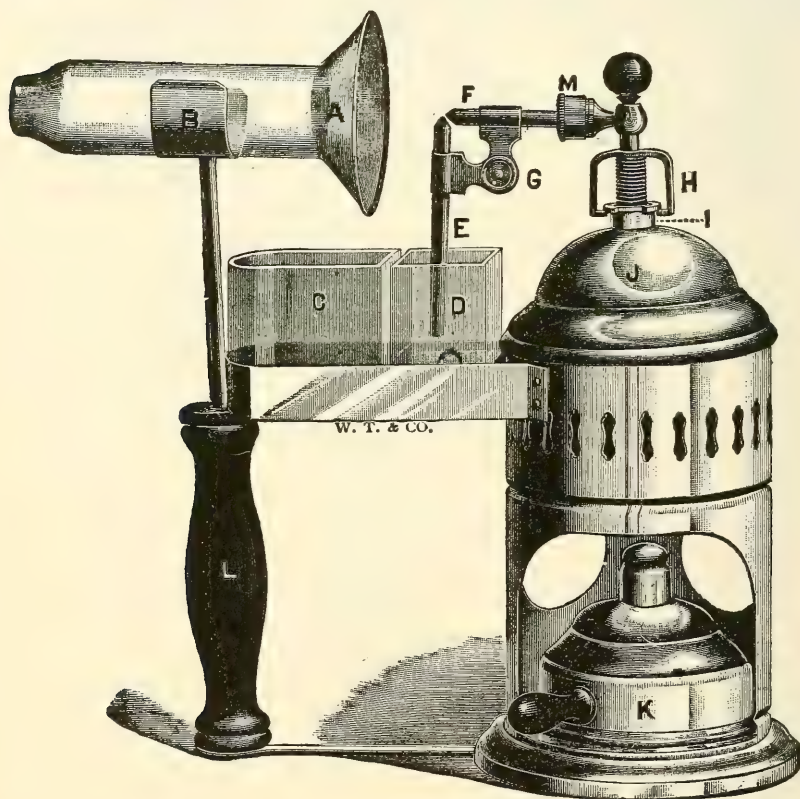


Fig. 4794.

This Atomizer is much handsomer in appearance and lighter in weight than any other of equal size now in the market.

The metal work is of fine spun brass, burnished, with ebonized wood handle and glass cups and face shield.

The tube *E* is furnished in both metal and glass, and the holder *G* is made with a spring, so that the tubes can be adjusted for coarse or fine spray, as desired.

The instrument is put up in a handsome polished cherry box, with nickeled catch and handle.

Prices to patients, see page 1283.

Complete, Brass.....	\$6 00
With all metal parts Nickel-Plated.....	7 00



MOUTH AND THROAT INSTRUMENTS.

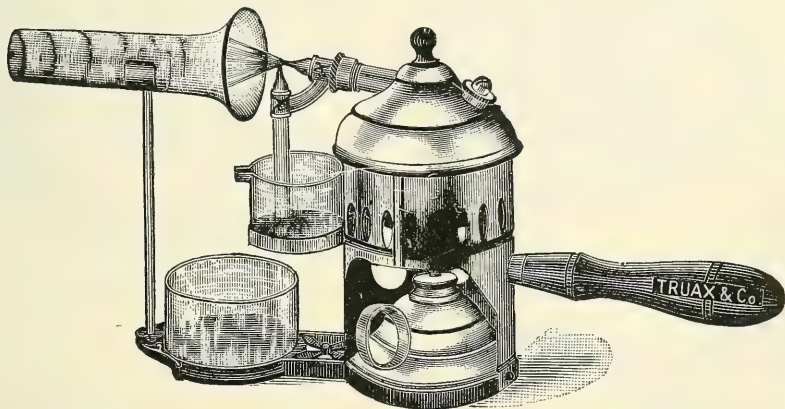


Fig. 4796. Truax, Greene & Co's No. 1 Steam Atomizer. Price to patients, \$5.00. See page 1283.

This improved atomizer is durable, compact and portable, and it is recommended to those who desire a first-class atomizer. The boilers are all tested under a high pressure, and are each provided with a safety valve that can be adjusted by means of a screw to any degree of pressure.

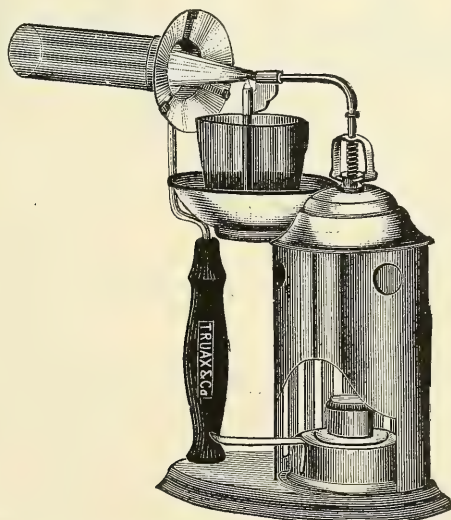


Fig. 4798. Truax, Greene & Co's No. 1 Steam Atomizer. Price to patients, \$3.50. See page 1283.

This is a well-made, handsomely nickel-plated atomizer, having a simple spring safety valve that works well under all circumstances. The low price of this renders it popular among some classes of patients.



LAVOLINE ATOMIZER.

For Atomizing Pure Lavoline Ointments.

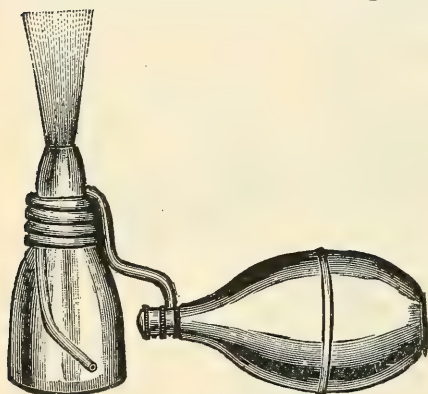


Fig. 4797.

For the treatment of Nasal Catarrh,
Hay Fever, Asthma, Bronchitis, and
other diseases of the respiratory organs,

Price, each, - - - \$0 75
" doz., - - - 8 00

LAVOLINE

LAVOLINUM FLUIDUM.

The Ideal Base for the Topical Application of Medicaments. Mild, Bland and Non-irritating.

COLORLESS, ODORLESS AND TASTELESS.

As a basis for the medication of mucous membranes, especially those of the air passages **Lavoline** serves the purpose better than anything heretofore offered. **Lavoline**, though chemically neutral, is basic in its character, and therefore soothing instead of irritating to sensitive surfaces.

Lavoline is a product of Petroleum, and is so light and limpid a fluid as to place it at the very front as a vehicle for the application of medicaments by means of the atomizer or spray, and for this purpose it requires **no heating**.

Its use, though at first confined almost entirely to a few prominent specialists, is now employed by the general practitioner in every state in the union. **Lavoline** has found favor more especially as a healing and protective application to the mucous membrane of the nose and throat.

PRICE PER PINT.....\$0 40
" " 5 PINTS..... 1 75

CHAS. TRUAX, GREENE & CO.

See List of Formulae
For Lavoline Spray Solutions.

75-77 Wabash Avenue, CHICAGO.

HAS **TRUAX**  **GREENE** & CO.

Camenthol

LARYNGITIS PHARYNGITIS HAY FEVER.

A NEW PROCESS OF COMBINING CAMPHOR AND MENTHOL.

Camenthol is an oleagenous liquid resulting from a molecular union of refined Camphor and Japanese Menthol.

In combination with Lavoline as prepared in our laboratory it forms a compound that the busy practitioner will hail with delight, as it at once offers a ready means of prescribing for that most prevalent of all diseases, inflammation of the respiratory mucous membrane, manifested by nasal catarrh, acute and chronic Pharyngitis, Laryngitis and Hay Fever. Its action is instantaneous in reducing Turgescence of the turbinated bodies and checking excessive discharges.

Dr. S. S. Bishop of Chicago, a well known specialist in diseases of the respiratory organs, has extolled it most highly in a paper read by him before the Mississippi Valley Medical Society, and whose article appears in the Journal of the American Medical Association, issue of October 24th, 1891.

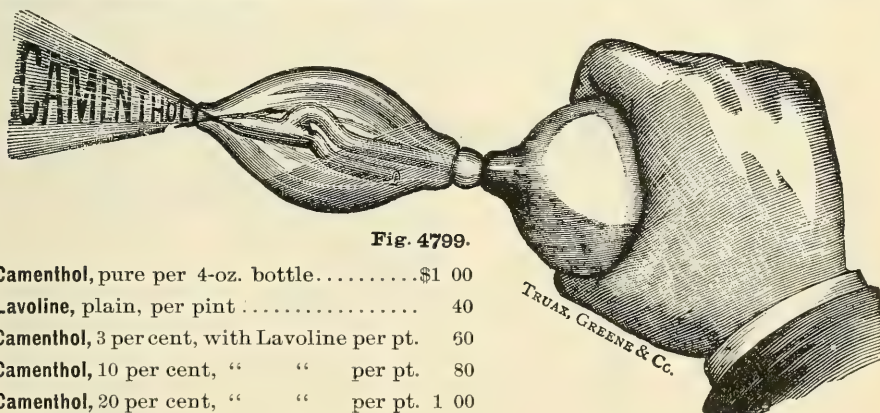


Fig. 4799.

Camenthol, pure per 4-oz. bottle.....	\$1 00
Lavoline, plain, per pint	40
Camenthol, 3 per cent, with Lavoline per pt.	60
Camenthol, 10 per cent, " " per pt.	80
Camenthol, 20 per cent, " " per pt.	1 00

Camenthol Atomizers, each, 75c., per doz., \$8.00.

Unlike most preparations in the market designed for similar purposes, we make no claim for it as an absolute specific. We do ask, however, that you give it sufficient consideration to afford it at least a trial and to facilitate this we are prepared to furnish, upon application, samples free of all expense, together with literature appertaining to its use.

NOTE.—The three per cent solution will be supplied on all orders for Camenthol where strength is not specified,

CHAS. TRUAX, GREENE & CO.

75-77 WABASH AVENUE, CHICAGO.

HAS TRUAX & CO. GREENE & CO.

ATOMIZERS.

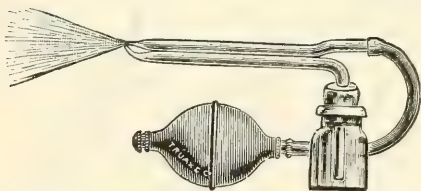


Fig. 4800. Truax, Greene & Co's No. 1 Atomizer, \$1.25.

This Atomizer has a heavy glass tube, rendering it suitable for use with all kinds of fluids. It throws a heavy spray for profuse douching.

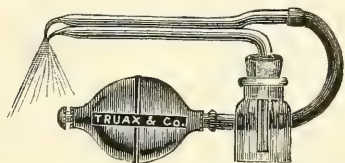


Fig. 4802. Truax, Greene & Co's No. 3 Atomizer, \$1.25.

This Atomizer has a heavy glass tube rendering it suitable for use with all kinds of fluids. It throws a heavy spray for profuse douching.

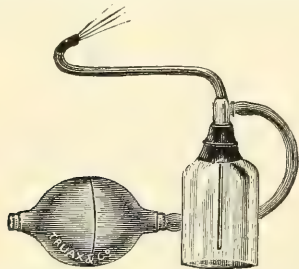


Fig. 4804. Truax, Greene & Co's No. 7 Atomizer, \$1.00.

This Atomizer throws a fine continuous spray, and as the metal caps have screw-fittings, they are air-tight, and not liable to get out of order.



Fig. 4706. Truax, Greene & Co's No. 9 Atomizer, \$1.00.

This Atomizer is similar to our No. 6, except that it is intended for throwing a spray into the anterior nares.

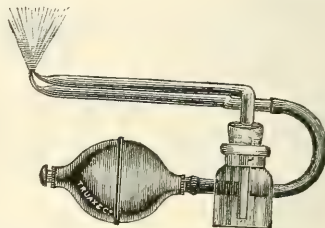


Fig. 4801. Truax, Greene & Co's No. 2 Atomizer, \$1.25.

This Atomizer has a heavy glass tube, rendering it suitable for use with all kinds of fluids. It throws a heavy spray for profuse douching.

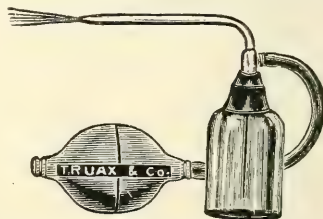


Fig. 4803. Truax, Greene & Co's No. 6 Atomizer, \$1.00.

This Atomizer throws a fine continuous spray, and as the metal caps have screw-fittings, they are air-tight and not liable to get out of order.

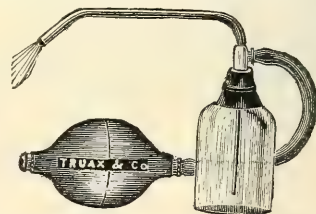


Fig. 4805. Truax, Greene & Co's No. 8 Atomizer, \$1.00.

This Atomizer throws a fine continuous spray, and as the metal caps have screw-fittings, they are air-tight, and not liable to get out of order.

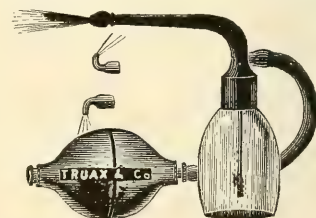


Fig. 4807. Truax, Greene & Co's No. 12 Atomizer, \$1.25.

This Atomizer has rubber tubes and fittings, and being provided with two extra tips, it may be adjusted to throw sprays in all directions. Any kind of fluid may be used with it without injury to either fluid or tube.

DOUBLE BULBS FOR ANY OF THE ABOVE ATOMIZERS, 60c. EXTRA.



PERFECTION ATTAINED!

Dr. L. Coulter's Combined Vaporizer and Inhaler

Registered trade mark is

THE CHAMPION VOLATILIZER;

A New Instrument for Vaporizing Oils and Drugs for Inhalation, as well as for Disinfecting and Deodorizing Sick Rooms, Hospitals, Public Buildings, Railway Carriages, etc.; also an Odorizer for perfuming Parlors, Opera Houses, etc.

Excels all other Inhalers as it reduces Drugs and Oils to a Gaseous State, in which condition only can they reach directly the cavities and air passages to be medicated, thus proving beneficial in the treatment of **DISEASES OF THE NOSE, THROAT AND LUNGS**, such as Consumption, Bronchitis, Asthma, Whooping Cough, Croup, Diphtheria, Catarrh, La Grippe and Hay Fever.

Beechwood Creasote, Oil of Southern Pine Needles and Eucalyptus Oil, of each equal parts, vaporized and inhaled, affords wonderful benefit in Phthisis.

ADVANTAGES:

1. A non-irritating, thoroughly medicated vapor is obtained by reason of the reservoir containing the medicated sponge being placed on the inhaling tube at a distance of 8 or 10 inches from the boiling water, and complete volatilization is effected of the drugs to be inhaled, thus ensuring their reaching directly the part to be medicated. Other so-called vaporizers are only atomizers or sprays, breaking the drug into fluid particles which are not diffusible and therefore too heavy to be inspired.

2. By vaporizing antiseptics, it quickly sterilizes the atmosphere in cases of infectious diseases, thereby reducing to a minimum the danger of contracting Diphtheria, Scarlet Fever, Cholera, etc.

3. It is simple, durable, convenient of manipulation, and absolutely proof against explosion or fire, as a perfect safety lamp accompanies every instrument.

4. The price is a great desideratum, being only about half that of any other vaporizer, volatilizer or inhaler that claims any merit.

It is the only volatilizer that is unanimously endorsed and recommended by medical men, sanitarians and chemists, among whom are the following:

ELY McCLELLAN, Lieut.-Col. and Deputy Surgeon-General, U. S. Army.

Made of

**Copper and Brass,
Nickel-Plated.**

**No Glass Tubes,
No Valves to Get
Out of Order.**

**Perfumer and
Deodorizer
Attachment.**

**PRICE,
With Perfumer
and Deodorizer
Attachment.**

\$5.50.

Price to Physicians, \$5.00

H. C. WOOD, M. D., LL. D., Professor of Materia Medica and Therapeutics, and Clinical Professor of Diseases of the Nervous System in the University of Pennsylvania.

WM. PORTER, M. D., Professor of Diseases of the Chest, Laryngology and Clinical Medicine, St. Louis College of Physicians and Surgeons; Consulting Physician to the Throat and Chest Department of City Hospital, etc.

CHARLES DENISON, M. D., Professor of Diseases of the Chest and Climatology, University of Denver, Colorado.

SIR JAMES GRANT, M. D., Ottawa, Canada.

F. LYDSTON NEWMAN, M. D., Lecturer Materia Medica, Detroit College of Medicine.

CYRUS EDSON, M. D., President of the Board of Pharmacy, City and County of New York.

CHAS. F. HEEBNER, Ph. G., Professor of Pharmacy and Director of the Pharmacal Laboratory, Ontario College of Pharmacy. Formerly Instructor of Pharmacy at the College of Pharmacy of the City of New York.

MOREAU R. BROWN, M. D., Lecturer on Laryngology and Rhinology, Chicago Polyclinic.

By order of the Surgeon-General of the United States Army, Dr. Coulter's Combined Vaporizers and Inhalers are in use in the United States Army-Post Hospitals.

None Genuine unless stamped—"DR. COULTER'S VAPORIZER AND INHALER."

Descriptive Pamphlet with Testimonials on application. For sale at all the leading Drug Stores and Surgical Instrument Houses, or write direct to—

TRUAX, GREENE & CO., AGENTS,

75 & 77 WABASH AVE., CHICAGO, ILL.



HAS **TRUAX & GREENE** *CO.*

WHITALL, TATUM & CO'S
IMPROVED PHENIX THROAT ATOMIZER.

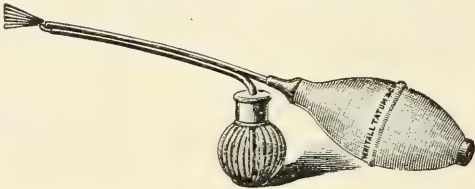


Fig. 4810.

This Atomizer has a long tube, adapted to reaching the diseased part of the throat by direct application. It is applied with one hand, leaving the other free.

Per doz.....\$7 00

PHENIX ATOMIZER FOR LARYNX.

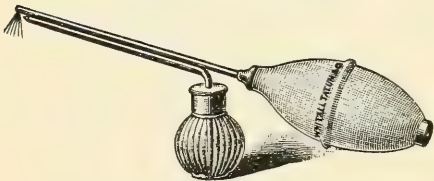


Fig. 4911.

The spray is blown straight downward at a right angle to the tube. For treating pharyngeal diseases, and all cases where a downward spray is necessary.

Per doz.....\$7 00

PHENIX ATOMIZER FOR NASAL CAVITIES.

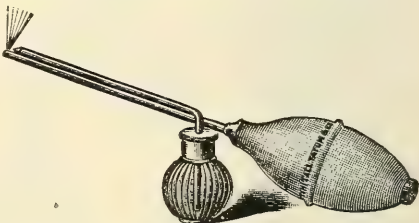


Fig. 4812.

For Catarrh and diseases of Nasal Cavities. The spray issues from the Atomizer upward at a right angle to the tube.

Per doz.....\$7 00

WHITALL, TATUM & CO'S
CROUP KETTLE.

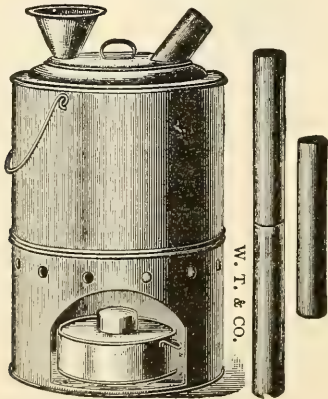


Fig. 4814.

No. 1. Lacquered Tin, complete, with Spirit Lamp.....each, \$1 50



W. T. & CO. ATOMIZERS

LEADING STYLES.

W. T. & CO. No. 10.

CONTINUOUS SPRAY.

Hard Rubber Tube. Detachable Tips.

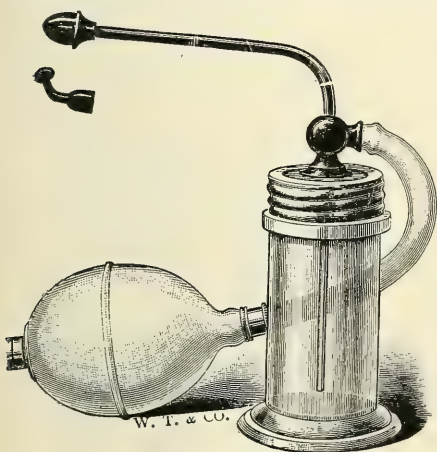


Fig. 4828. Each, \$1.25.

W. T. & CO. No. 15.

DOUBLE BULB. CONTINUOUS SPRAY.

Hard Rubber Tube.

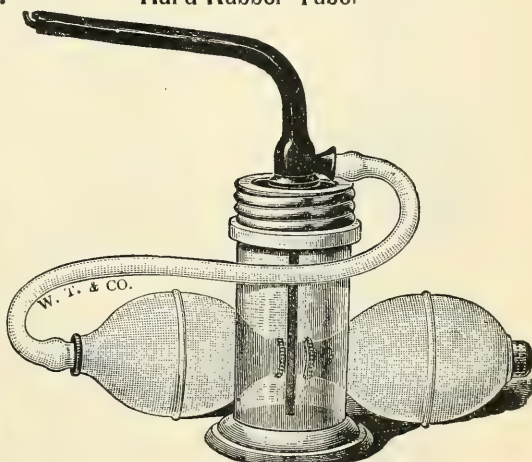


Fig. 4830. Each, \$1.25.

WHITALL, TATUM & CO'S

No. 30 VASELINE ATOMIZER.

Detachable Throat and Nasal Tubes.

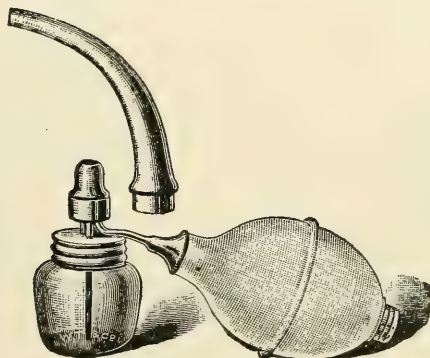


Fig. 4826. Per Doz. £8.00.

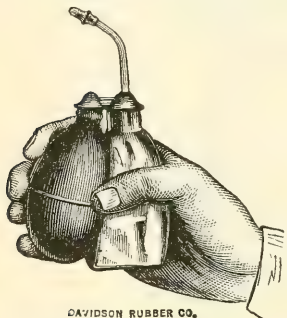


DAVIDSON RUBBER CO'S ATOMIZERS.

OUR BEST Grade Atomizers are ESPECIALLY ADAPTED FOR THROAT AND NASAL APPLICATIONS, the Tubes being made of hard rubber and the Caps tipped with platinum, which renders the instrument proof against any corrosive effects of the acids frequently used, that will soon injure those made with metal tubes. The Bottle Cap screws on the bottle which prevents its being forced off from the same by the pressure of air inside. The No. 61 has two Bulbs of the Richardson pattern, which, when operated, give a continuous spray.

The Caps screw on the tube, not slip on as others do, which prevents any danger of their being forced off and down the throat when in use, and by the patented device the water tube is easily taken apart and cleansed.

These instruments are highly finished and thoroughly made in all their parts.



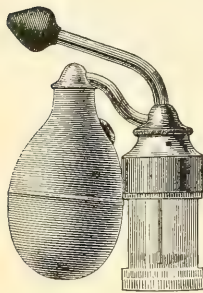
DAVIDSON RUBBER CO.

Fig. 4845. Davidson's Atomizer, No. 53, \$1.10.

FOR TREATMENT OF THE THROAT AND EYE. . . .

Fig. 4845. This Atomizer, No. 53, is so constructed that a medicated liquid slightly thicker than water can be used, as they throw a heavy spray and the tips of both the outer air and inner water tubes can be taken off and cleansed if they become stopped up by use.

Metal Tubes. Patent, each, \$1.10



DAVIDSON RUBBER CO.

Fig. 4847. Davidson's Atomizer, No. 63, 75c.

DAVIDSON RUBBER CO'S ATOMIZERS,

NOS. 63 AND 64. . . .

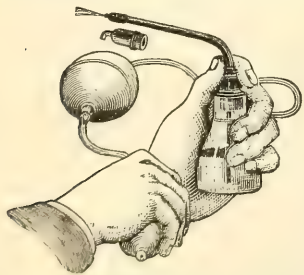
Fig. 4847. These are specially adapted for treating diseases of the Nasal passages, and owing to their low prices are suitable ones for prescribing, as they are much lower than the prices usually asked for inferior goods.



Fig. 4848. Davidson's Atomizer, No. 64, 75c.

DAVIDSON RUBBER CO'S ATOMIZER

No. 61. _____



DAVIDSON RUBBER CO.

Fig. 4851. Davidson's Atomizer, No. 61, \$2.25. Hard Rubber Tubes, Two Caps, Patent, 2 Bulbs.

Fig. 4851. Davidson's Atomizer, No. 61, \$2.25. This is a perfect instrument, giving an even pressure and great force when required. Besides being manufactured from the best of stock it is constructed upon improved principles that render it a very superior instrument. Physicians in ordering or prescribing are requested to specify Davidson's.



MOUTH AND THROAT INSTRUMENTS.



Fig. 4853. Davidson's Oil Atomizer No. 50.

DAVIDSON'S OIL ATOMIZER, No. 50.

Each \$1.15.

This Atomizer is made expressly for use in the throat and is constructed on an entirely new principle.

The liquid is forced by air into a reservoir on the top of the bottle, and from there it passes into the tube and is broken up into a heavy strong spray.

The tube and reservoir are made of metal and the whole is screwed into a metal collar on the bottle.

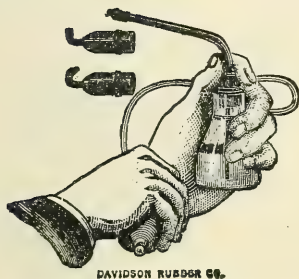


Fig. 4857. Davidson's Atomizer, No. 59.

DAVIDSON'S ATOMIZER.

Hard Rubber Tubes, 3 caps, No. 59, each \$1.75.

This Atomizer, like all other productions of our factory, will meet the requirements of exacting customers. Our goods are constructed for use, and the high standing our goods have attained warrant us in using every effort to send out only the best.

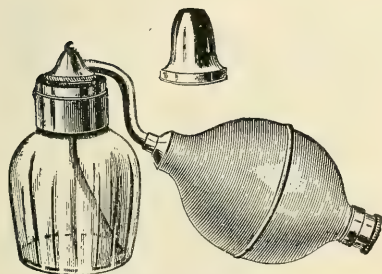


Fig. 4854. Delano Oil Atomizer.

DELANO OIL ATOMIZER 548.

Each 80c, dozen \$9.00.

This Atomizer is designed for atomizing oil, vaseline, fluid cosmoline, etc., etc.

The Delano Atomizer is very simple in construction, is not liable to get clogged up and produces a strong heavy spray.

The hood or cap that covers the spray tubes is removable, which gives free access to the tubes in case they should get clogged up and the shape of the liquid

or oil tube in the bottle allows the instrument to be used in a horizontal position.

The metal parts are nicked, and the bulb is fitted with metal valves.

It is the best instrument, at a moderate price, that has been placed on the market and the increasing demand for it convinces us that it is giving satisfaction wherever it is used.

HAS TRUAX & CO. GREENE & CO.

TYRIAN, No. 15.

CONTINUOUS SPRAY.

This celebrated Atomizer possesses many qualities which place it far in advance of any other on the market. It is made only from the best materials, and great care is exercised in its manufacture.

Price, in tin box, 80c.

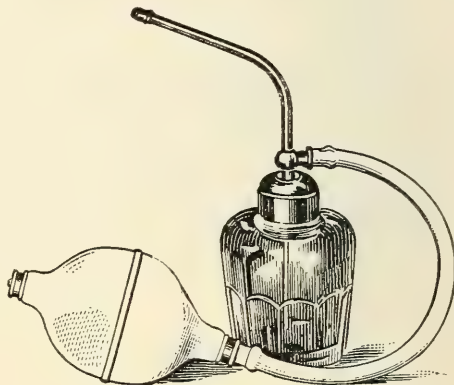


Fig. 4859. Tyrian, No. 15.

TYRIAN, No. 2 Acid-Oil Atomizer.

For Spraying Vaseline, Peroxide of Hydrogen, any of the Oils or Ointments, Nitrate of Silver, Oil of Vitriol, or any Chemical that will not affect glass. Can be used for throat as well as nose. Spray tube is made of carefully annealed glass, strong and simple in construction.

This Atomizer is especially designed to be used with one hand. (See cut.)



"TYRIAN"
Acid-Oil
ATOMIZER.
PAT. JAN. 12, 1892.

Fig. 4858.

TYER RUBBER CO.

ANDOVER, MASS.

Price, each, in box, \$1.00.

Atlas No. 1 Atomizer

WITH CONTINUOUS SPRAY

AND

HARD RUBBER TUBES

Designed for the Office Practice of Physicians.

By an improved construction, this Atomizer, with one elastic bulb, produces a continuous spray fully equal in volume to the spray of Atomizers with two elastic bulbs. The spray is not watery, but finely atomized, and well adapted for introduction into the air passages. FOR LOCAL FREEZING this Atomizer is very superior.

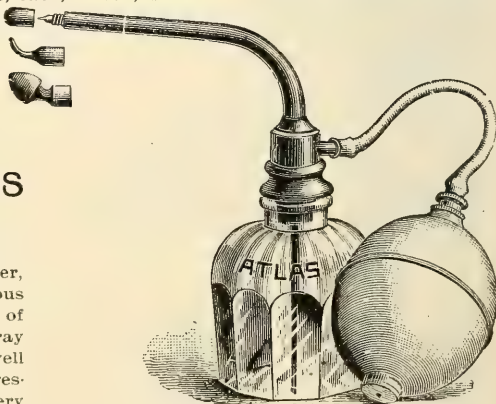


Fig. 4860. Atlas No. 1 Atomizer, 90c.

HAS TRUAX & CO GREENE & CO

MOUTH AND THROAT INSTRUMENTS.

OUR ATOMIZER, No. 13.

Pharyngeal Nasal and Post-nasal Tips.
All Hard Rubber Tubes best quality. Fully
warranted.

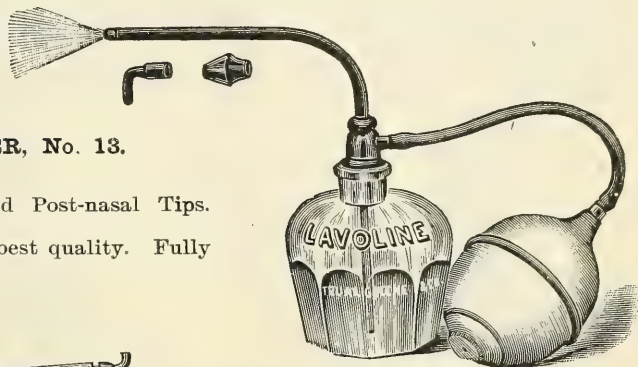


Fig. 4865. Truax, Greene & Co's Atomizer,
No. 13. Each, \$1.00; per doz., \$11.00.

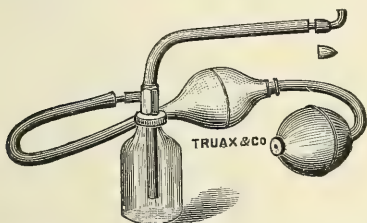


Fig. 4867. Richardson's Double Bulb Atomizer.
price to patients, \$3.00 See page 1283.

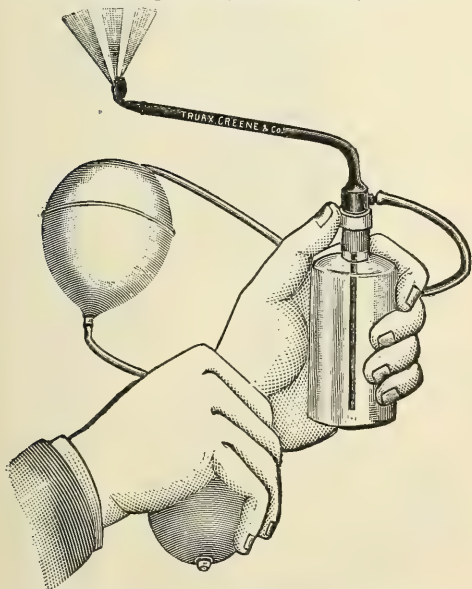


Fig. 4869. Hall's Profuse Spraying Atomizer,
price to patients, \$2.50. See page 1283.

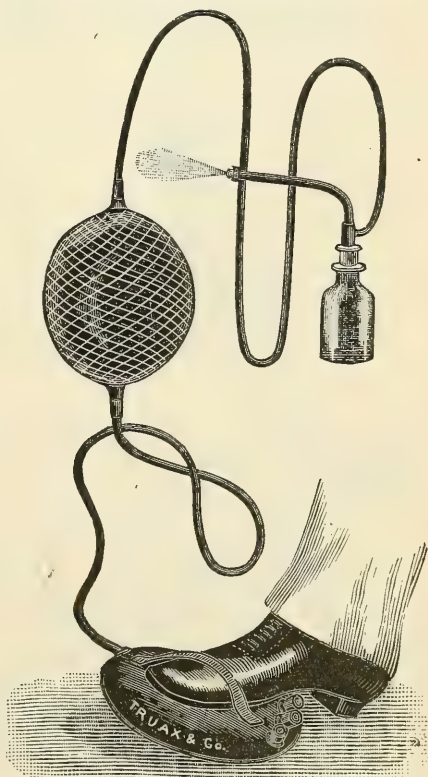


Fig. 4873. Foot Bulb for Atomizers and
Powder Blowers, \$4.50. See page 1283.

HAS TRUAX & GREENE & CO.

MOUTH AND THROAT INSTRUMENTS.



Fig. 4913. Boston Inhaler, price to patients, \$2.50. See page 1286.



Fig. 4915. Laforme's Inhaler, 60c. See page 1287.

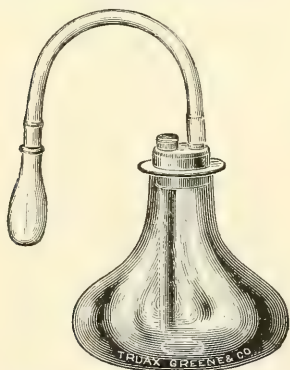


Fig. 4914. Hunter's Inhaler, price to patients, \$1.25. See page 1287.



Fig. 4918. Fulcraft's Inhaler, price to patients, \$1.00. See page 1287.

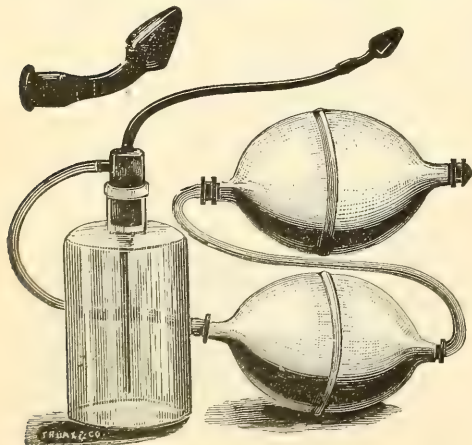


Fig. 4923. Leffert's Nasal Atomizer, price to patients, \$3.00. See page 1283.

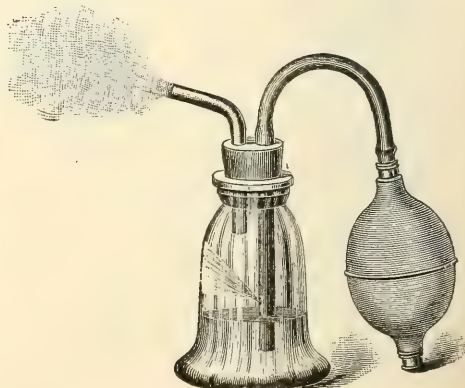


Fig. 4924. American Atomizer, to patients \$3.00. See page 1283.



W., T. & CO.

No. 2 Powder Insufflator

WITH HARD RUBBER TUBE

For Treatment of the Throat, Ear and Nasal Cavities
with Remedies in Powdered Form.

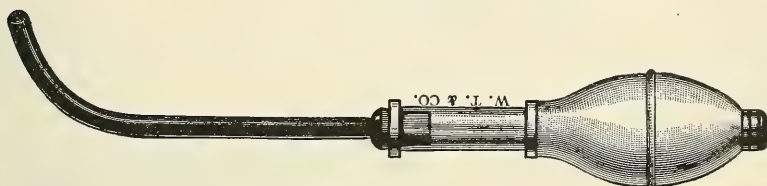


Fig. 4926.

The powder to be applied is placed in the glass tube. After firmly fixing the hard rubber tube in position by inserting the rubber plug in the glass, the powder may be expelled by compressing the bulb.

When a very small quantity of powder is to be used, it may be placed in the rubber tube and blown out with one compression of the Bulb.

Price, each 40c.

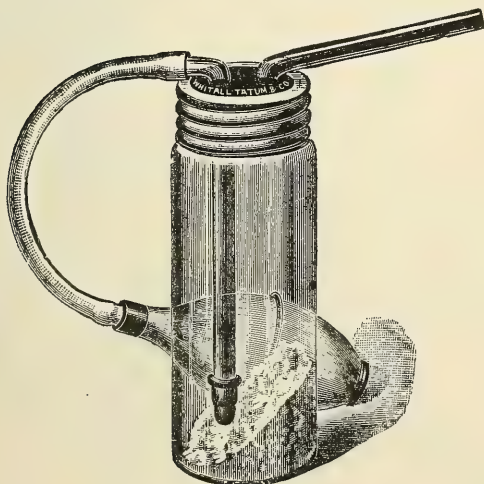


Fig. 4928.

W., T. & CO.

No. 1 Powder Blower

With Throat and Nasal
Tubes of Glass.

A neat and compact instrument
for local application of remedies in
the form of fine powder.

EACH IN PAPER BOX.

Price, complete, each 75c.

HAS TRUAX & GREENE & CO.

MOUTH AND THROAT INSTRUMENTS.



Fig. 4936. Clay's Powder Blower, 75c. See page 1288.



Fig. 4930. Scoop Powder Blower, 75c. See page 1289.



Fig. 4932. Rauchfuss' Powder Blower, \$1.95. See page 1289.

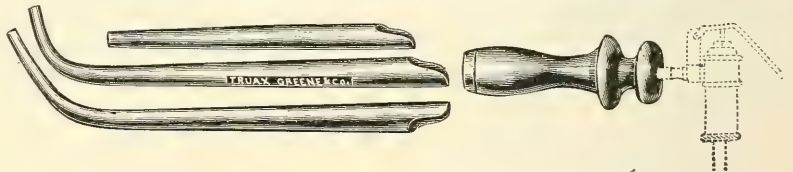


Fig. 4933. Chamberlain's Powder Blowers, set of 3, \$1.25.

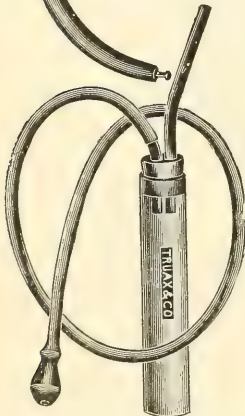


Fig. 4937. Bishop's Vest Pocket Powder Blower, 30c. See page 1288.

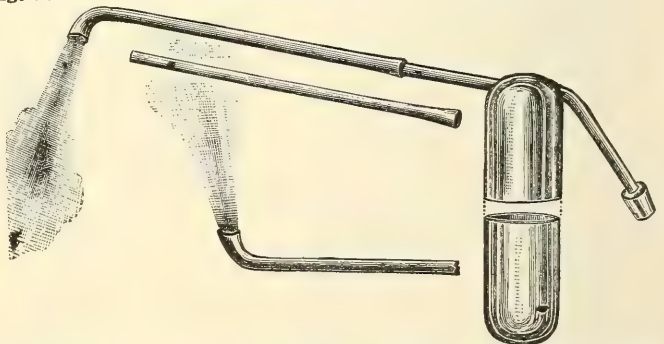


Fig. 4935. Devilbiss' Powder Blower, 75c., with Bulb, \$1.00. See page 1288.



Fig. 4939. Iodoform Powder Blower, \$1.25. See page 1288.

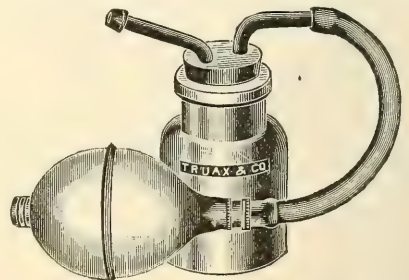


Fig. 4940. Bishop's Powder Blower, 60c. See page 1288.

HAS TRUAX & CO. GREENE & CO.

MOUTH AND THROAT INSTRUMENTS.

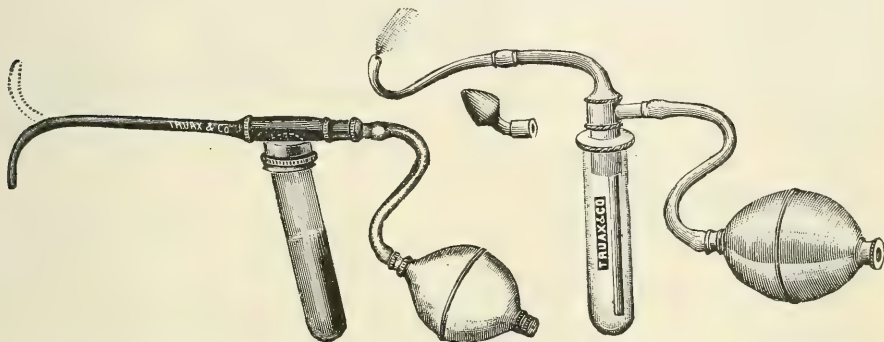


Fig. 4941. Ives' Powder Blower, for Iodoform, \$1.50
See page 1288.

Fig. 4942. Leffert's Powder Blower
\$1.50. See page 1288.

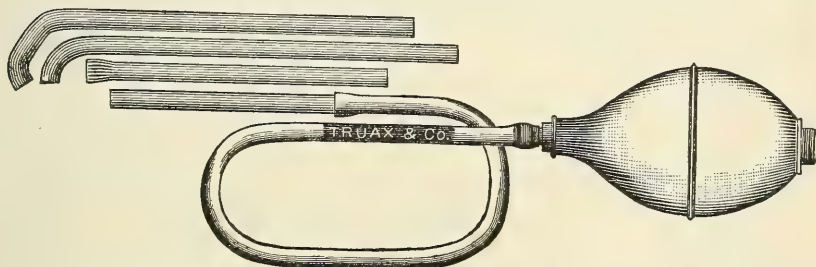


Fig. 4944. Ingals' Powder Blower, with glass tubes, \$1.00. See page 1288.

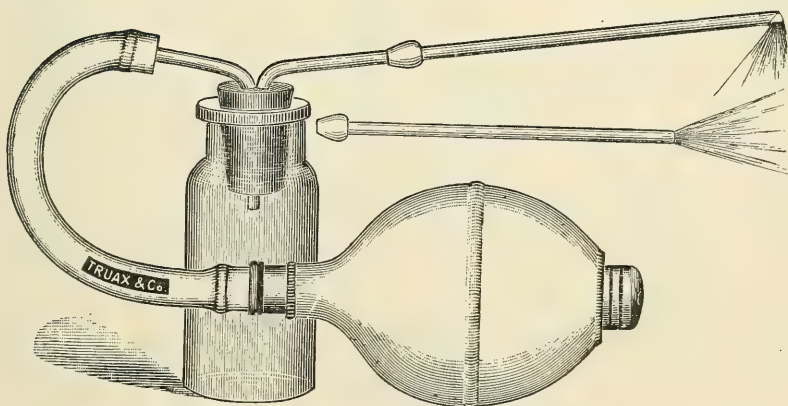


Fig. 4947. Devilbiss' Powder Blower, with bottle, \$1.25. See page 1288.

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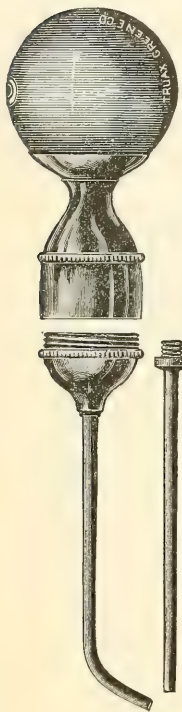


Fig. 4962. F. C. Greene's Powder Blower, fine quality, 2 tips, \$1.50.

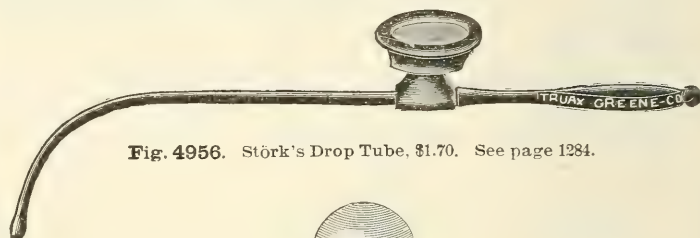


Fig. 4956. Störk's Drop Tube, \$1.70. See page 1284.

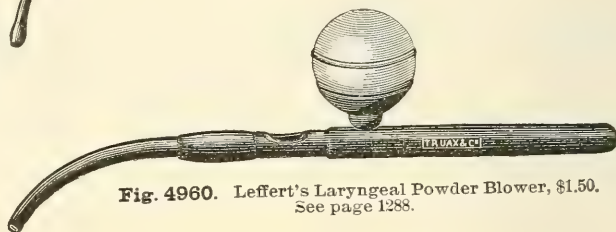


Fig. 4960. Leffert's Laryngeal Powder Blower, \$1.50. See page 1288.

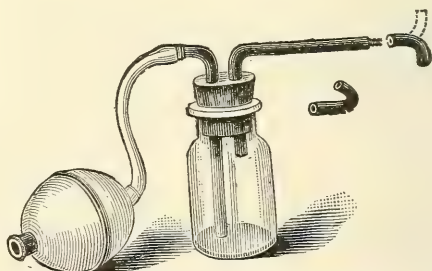


Fig. 4957. Robinson's Powder Blower, Two tips, \$1.50.

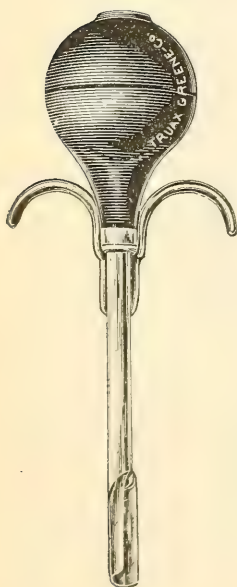


Fig. 4961. French Powder Blower, \$1.50.

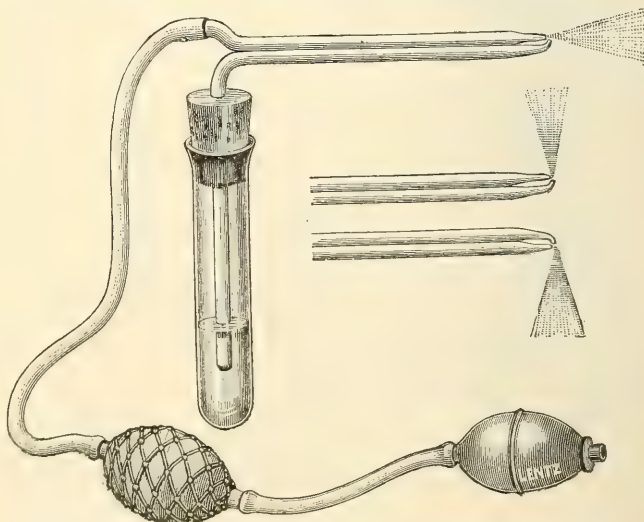


Fig. 4958. Sass' Spray Tube and Bulb, each, \$2.00. See page 1290.

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Fig. 4975. Tan Bulb, Hard Rubber and Glass Trimmings, No. 192, each, \$1.40. See page 1288.

This very simple instrument is made of a tube of hard rubber, which slips into a socket of hard rubber that is attached to a bulb of soft rubber.

The end of the tube is in the form of a scoop which can be filled with powder which will be evenly distributed by pressing the bulb.

DAVIDSON'S POWDER BLOWER.

The following cut illustrates the Powder Blower as made by us for use in throat and other diseases.

The bulb is of soft rubber, the barrel of glass and the fittings of hard rubber, all of which are made and put together in the most thorough manner.

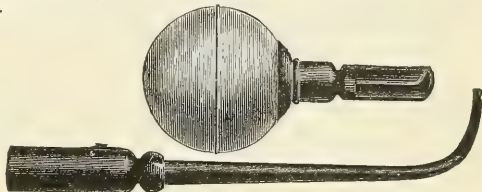


Fig. 4976. Davidson's Insufflator, each, 75c.

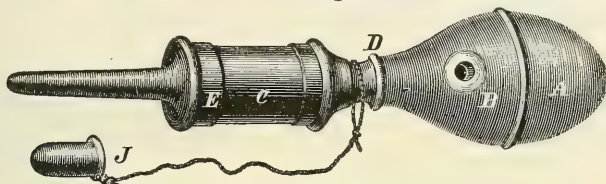


Fig. 4977. Mattson's No. 1 Powder Blower, \$1.00. See page 1288.

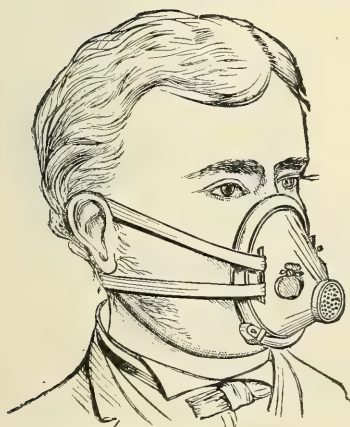


Fig. 4985. Blake's Respirator, \$2.25. See page 1289.

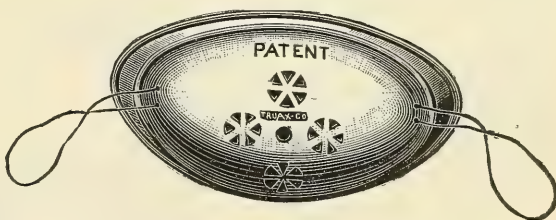


Fig. 4986. Haussman's Respirator, \$1.25. See page 1289.

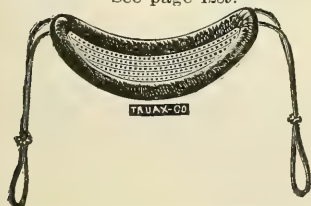


Fig. 4987. Respirator for Mouth, 75c. See page 1289.

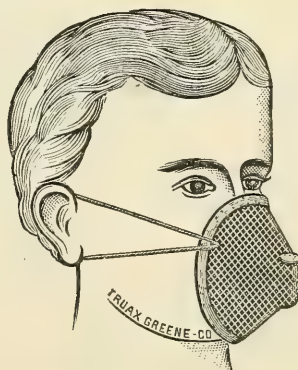


Fig. 4988. Robinson's Inhaler, 40c. See page 1289.



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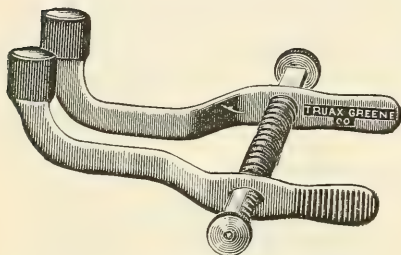


Fig. 4997. F. C. Greene's Self-Fastening Mouth Gag, \$4 00.

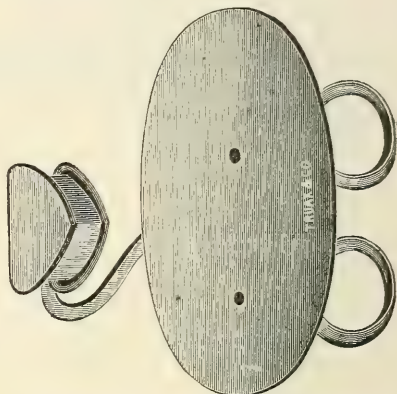


Fig. 5001. Dr. Chas. Henrotin's Gag, \$2.00
See page 1286.

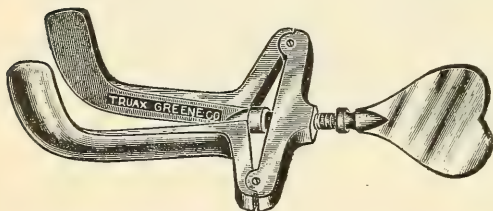


Fig. 4998. Heister's Gag, \$3.75. See page 1286.



Fig. 5002. Oral Screw, \$0.75. See page 1290.

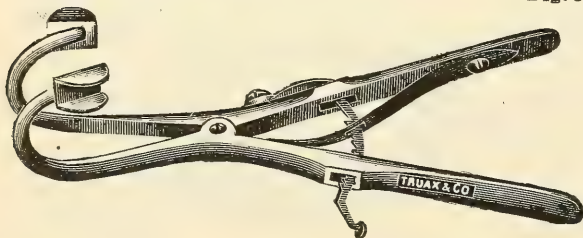


Fig. 5004. Denhart's Gag, \$3.50.

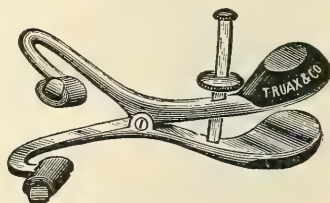


Fig. 5005. Mason's Gag, \$3.75. See page 1286.

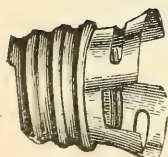


Fig. 5007. Warren's Gag, \$3.00. See page 1286.

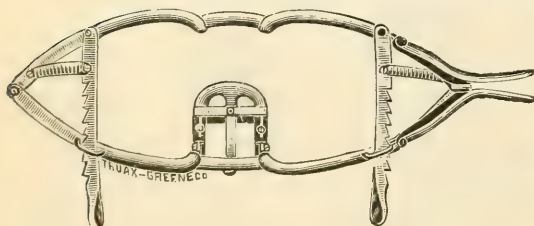


Fig. 5010. Whitehead's Gag, \$7.50. See page 1286.

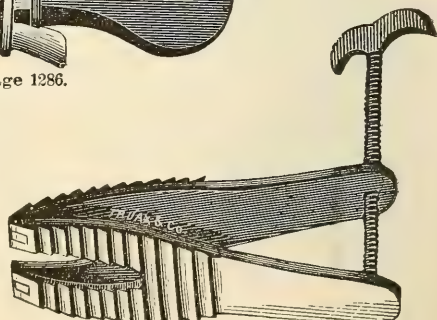


Fig. 5011. Rozier's Gag, \$3.75. See page 1286.

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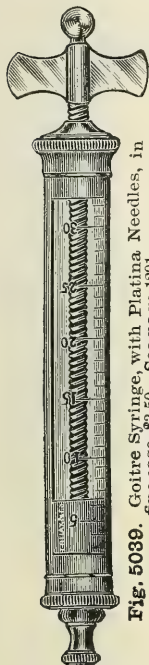


Fig. 5039. Gottre Syringe, with Platina Needles, in fine case, \$3.50. See page 1291.



Fig. 5043. Gum Lance, 75c. See page 1387.

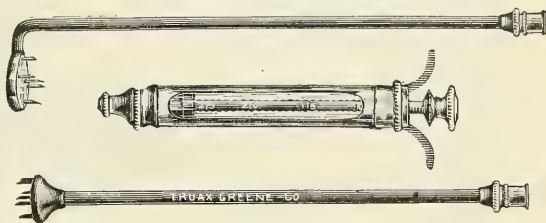


Fig. 5020. Seibert's Diphtheritic Syringe, \$7.50. See page 1291.

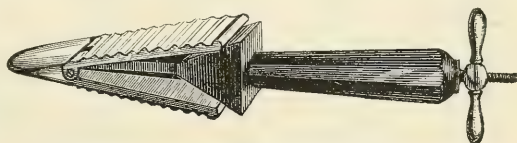


Fig. 5023. Goodwillie's Gag, \$4.50. See page 1286.



Fig. 5025. Gross' Gag, \$3.75. See page 1286.



Fig. 5037. Horton's Needle for Injecting Tonsils, \$1.25. See page 1288.

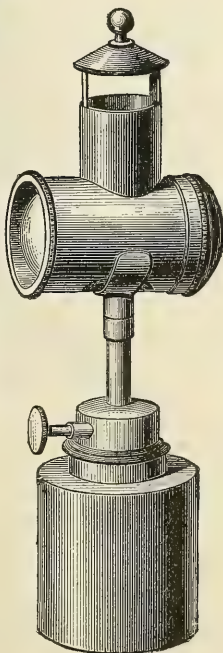


Fig. 5042. Collins' Pocket Lamp, large, \$3.75. See page 1287.

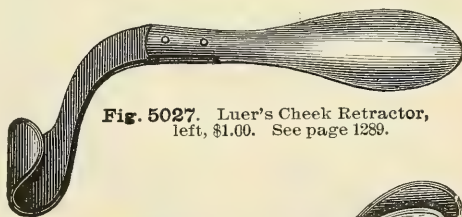


Fig. 5027. Luer's Cheek Retractor, left, \$1.00. See page 1289.

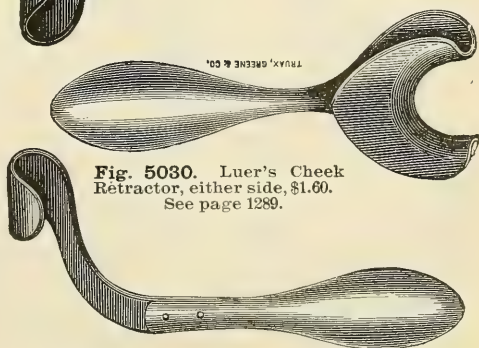


Fig. 5030. Luer's Cheek Retractor, either side, \$1.60. See page 1289.

Fig. 5033. Luer's Cheek Retractor, right, \$1.00. See page 1289.

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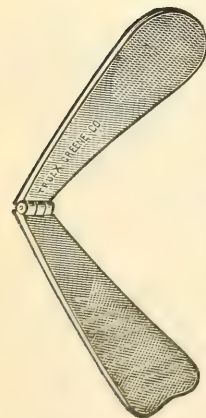


Fig. 5065. Steel Tongue Depressor, \$1.00.
See page 1291.

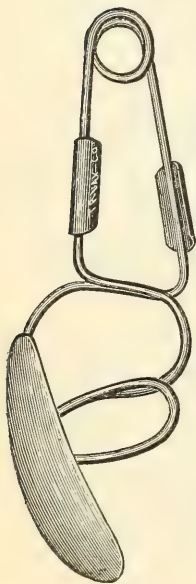


Fig. 5054. Stehmen's Self-Retaining Tongue Depressor, \$1.50.
See page 1291.



Fig. 5087. Goodwillie's Tongue Depressor, 85c. See page 1291.

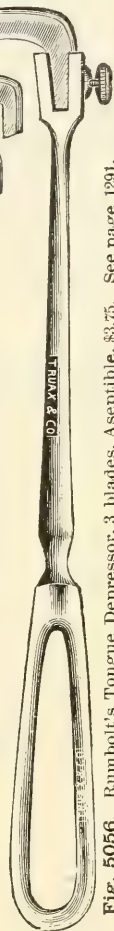


Fig. 5056. Rumbolt's Tongue Depressor, 3 blades, Aseptible, \$3.75. See page 1291.

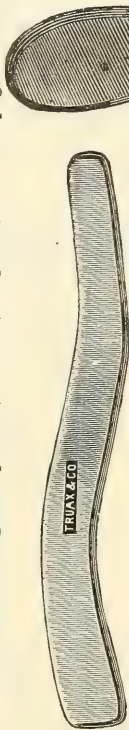


Fig. 5059. Glass Tongue Depressor, Aseptible, 65c. See page 1291.

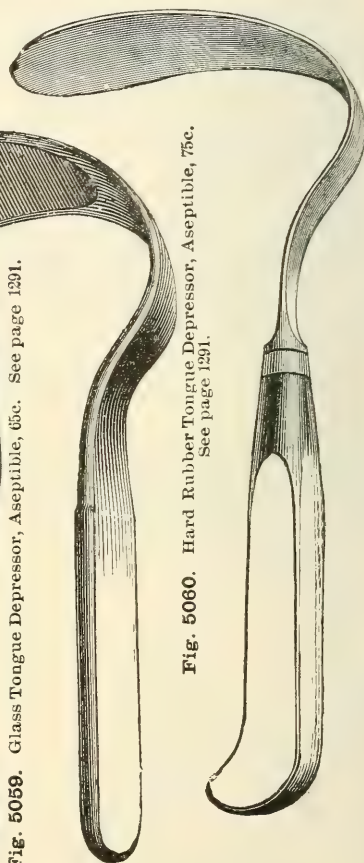


Fig. 5080. Hard Rubber Tongue Depressor, Aseptible, 75c.
See page 1291.



Fig. 5069. Folding Metal Tongue Depressor, Fenestrated, 50c.
See page 1291.

Fig. 5063. Sass' Tongue Depressor, Aseptible \$2.25. See page 1291.

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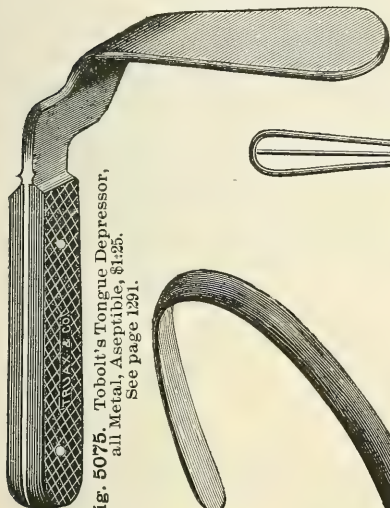


Fig. 5075. Tobolt's Tongue Depressor, all Metal, Aseptible, \$1.25. See page 1291.



Fig. 5079. Cohen's Steel Tongue Depressor, Aseptible, \$1.15. See page 1291.



Fig. 5081. Devilbiss' Tongue Depressor, Aseptible, 35c. See page 1291.

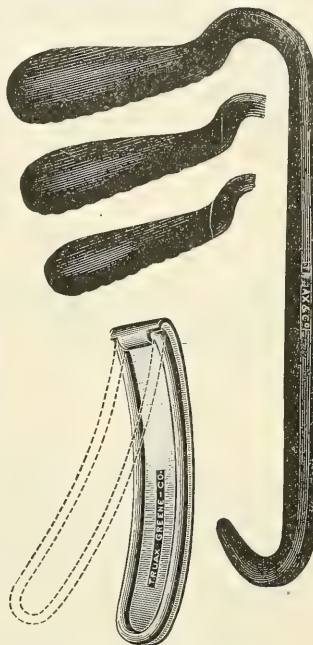


Fig. 5085. Turk's Tongue Depressor, Aseptible, each, \$1.10; set of 3, \$3.00. See page 1291.

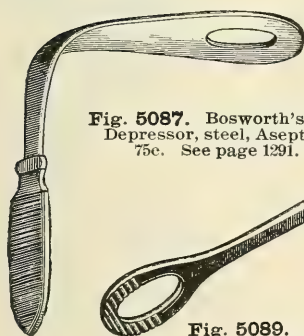


Fig. 5087. Bosworth's Tongue Depressor, steel, Aseptible, 75c. See page 1291.

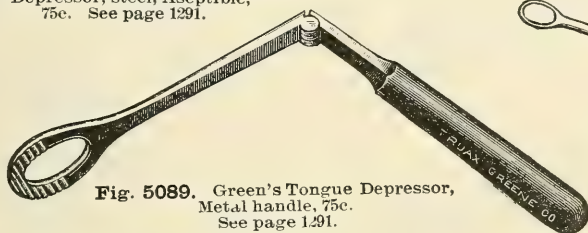


Fig. 5089. Green's Tongue Depressor, Metal handle, 75c. See page 1291.

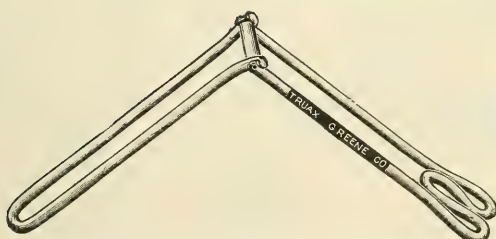


Fig. 5092. Wabash Tongue Depressor, 75c. See page 1291.

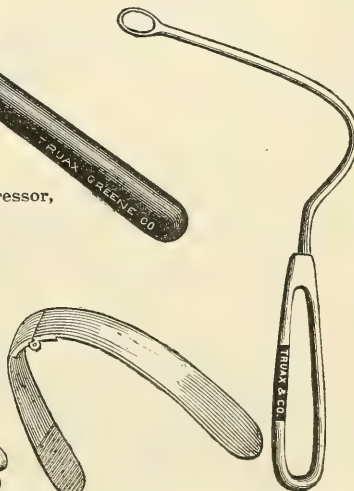


Fig. 5094. Cohen's Folding Tongue Depressor, \$1.50. See page 1291.

Fig. 5097. Frankel's Tongue Depressor, Aseptible, \$1.00. See page 1291.

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Fig. 5101.
Einhorn's Stomach Electrode, \$2.25.
See page 1284.

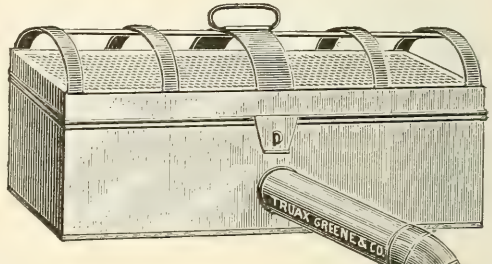


Fig. 5107. Danforth's Hot Air Bath,
price to patients, \$5.00.
See page 1283.

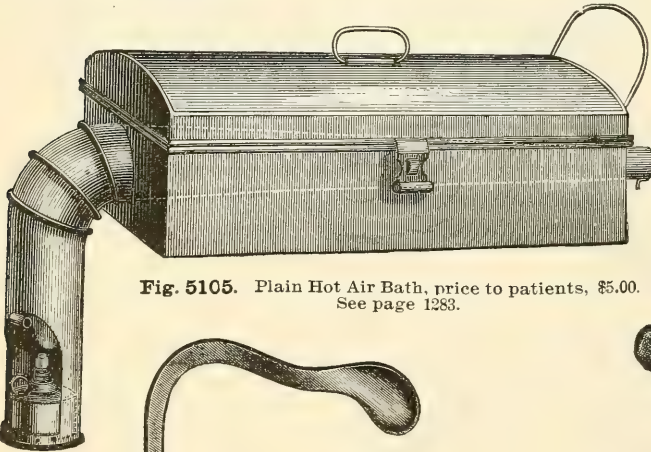


Fig. 5105. Plain Hot Air Bath, price to patients, \$5.00.
See page 1283.

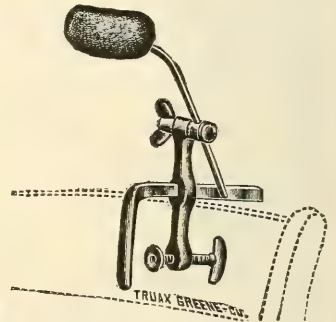


Fig. 5108. The Ryan Head Rest, \$2.50.

Fig. 5103. Greene's Aseptic Tongue Depressor.
See page 1291.

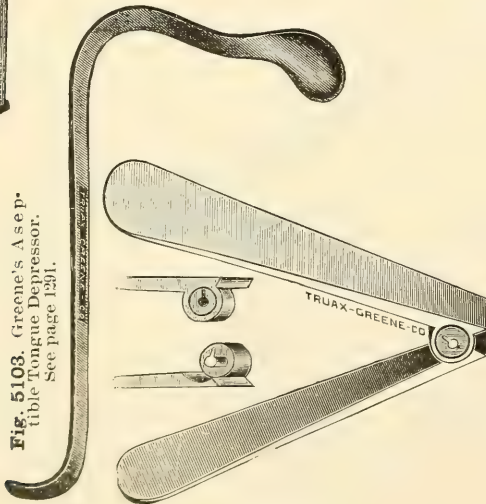


Fig. 5099. Truax' Aseptic Aluminum Tongue Depressor, \$1.25. See page 1291.

THE RYAN HEAD REST.

This invention enables the Physician or Surgeon to make use of a common chair in operating on any portion of the head. The joints are so arranged that any desired position may be obtained. It can be folded in small space for transportation.



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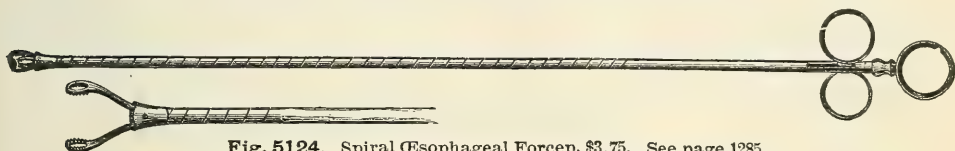


Fig. 5124. Spiral Esophageal Forcep, \$3.75. See page 1285.

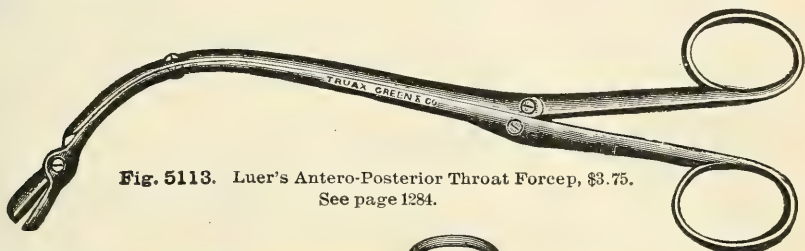


Fig. 5113. Luer's Antero-Posterior Throat Forcep, \$3.75.
See page 1284.

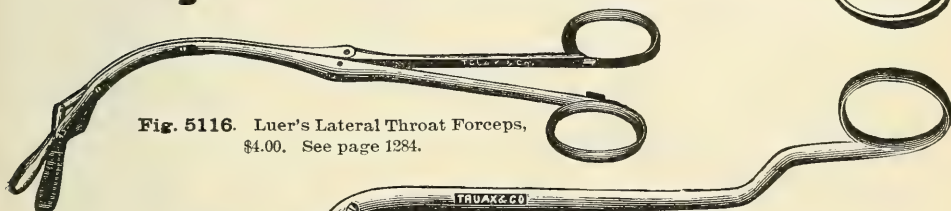


Fig. 5116. Luer's Lateral Throat Forceps,
\$4.00. See page 1284.

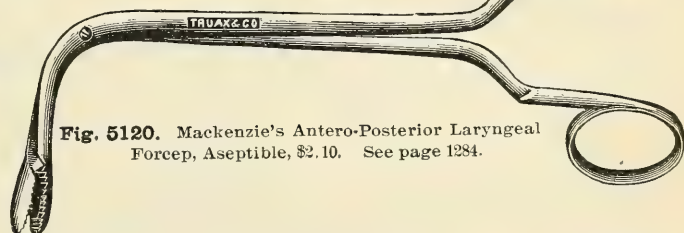


Fig. 5120. Mackenzie's Antero-Posterior Laryngeal
Forcep, Aseptible, \$2.10. See page 1284.

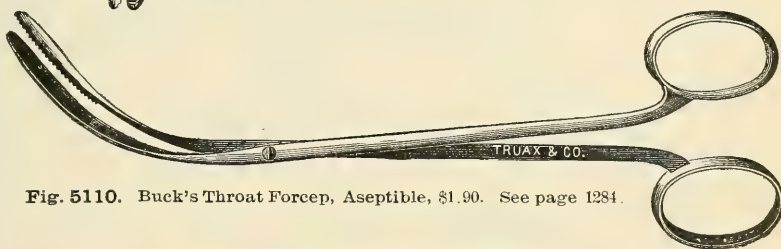


Fig. 5110. Buck's Throat Forcep, Aseptible, \$1.90. See page 1284.

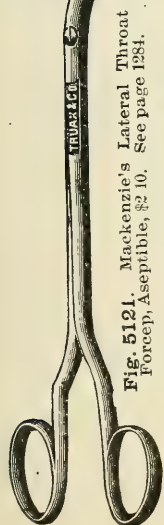


Fig. 5124. Mackenzie's Lateral Throat
Forcep, Aseptible, \$2.10. See page 1284.

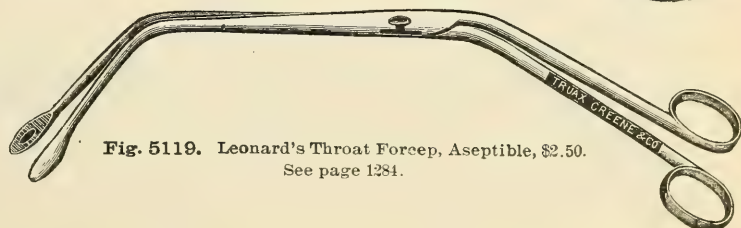


Fig. 5119. Leonard's Throat Forcep, Aseptible, \$2.50.
See page 1284.

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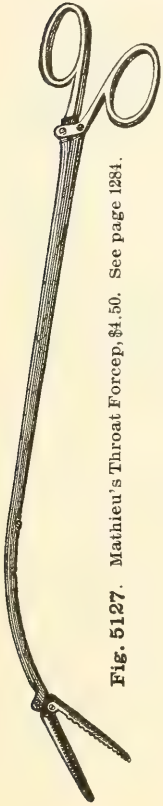


Fig. 5127. Mathieu's Throat Forcep, \$4.50. See page 1284.

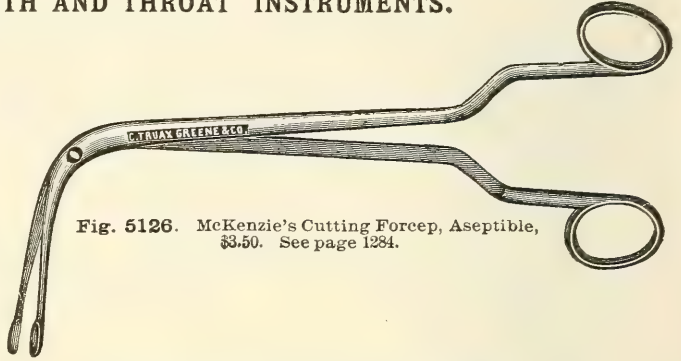


Fig. 5126. McKenzie's Cutting Forcep, Aseptible, \$3.50. See page 1284.

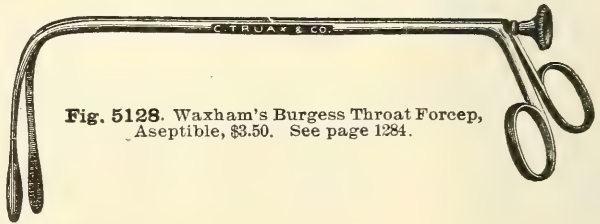


Fig. 5128. Waxham's Burgess Throat Forcep, Aseptible, \$3.50. See page 1284.



Fig. 5130. Burgess' Throat Forcep, Aseptible, \$3.20. See page 1284.

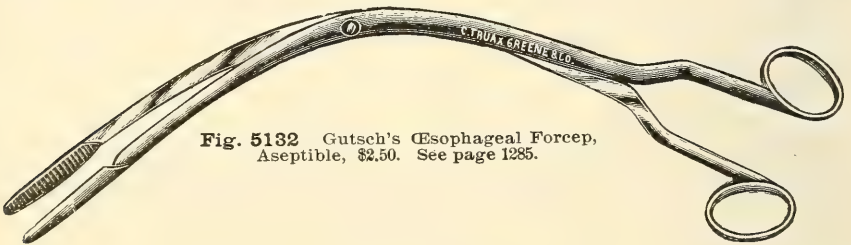


Fig. 5132. Gutsch's Oesophageal Forcep, Aseptible, \$2.50. See page 1285.

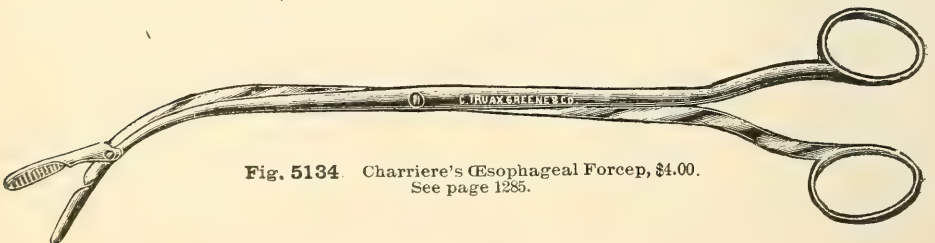


Fig. 5134. Charriere's Oesophageal Forcep, \$4.00. See page 1285.



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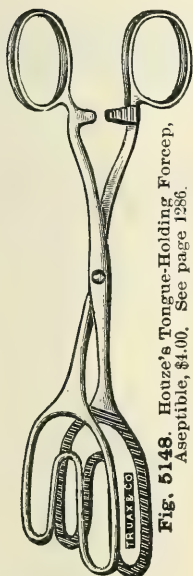


Fig. 5148. Houze's Tongue-Holding Forcep, Aseptible, \$1.00. See page 1286.

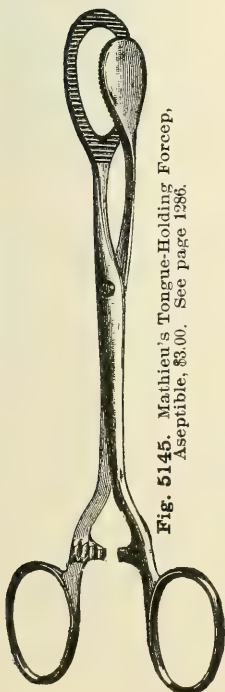


Fig. 5145. Mathieu's Tongue-Holding Forcep, Aseptible, \$3.00. See page 1286.

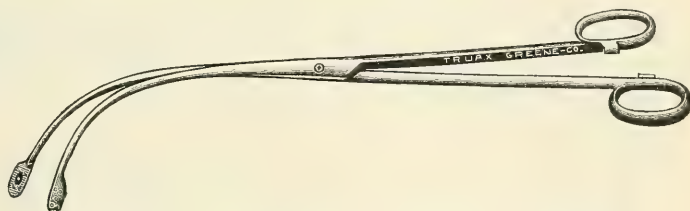


Fig. 5135. Fauvel's Laryngeal Forcep, Aseptible, \$3.00. See page 1284.

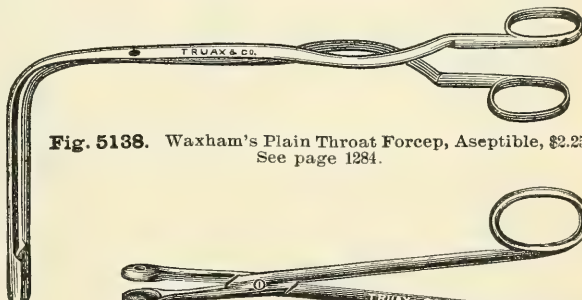


Fig. 5138. Waxham's Plain Throat Forcep, Aseptible, \$2.25. See page 1284.

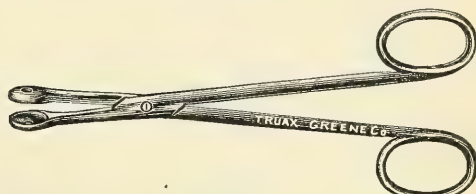


Fig. 5141. Esmarch's Tongue-Holding Forcep, Aseptible, \$1.50. See page 1285.

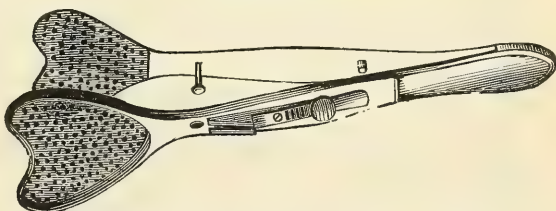


Fig. 5142. Dobell's Tongue-Holding Forcep, Aseptible, \$2.25. See page 1285.

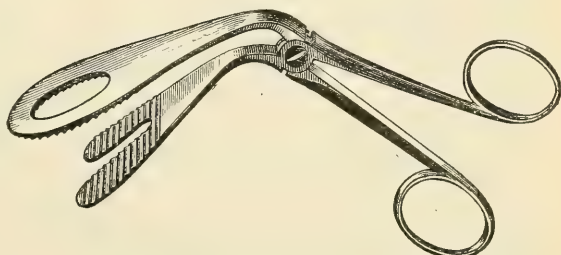


Fig. 5144. Cusco's Tongue-Holding Forcep, Aseptible, \$2.00. See page 1285.

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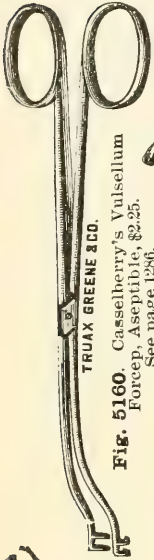


Fig. 5160. Casselberry's Vulsellum Forcep, Aseptible, \$2.25. See page 1286.

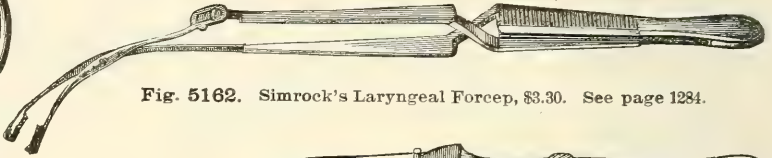


Fig. 5162. Simrock's Laryngeal Forcep, \$3.30. See page 1284.

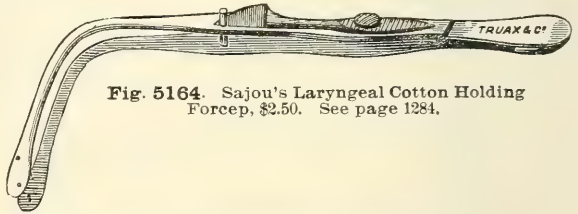


Fig. 5164. Sajou's Laryngeal Cotton Holding Forcep, \$2.50. See page 1284.

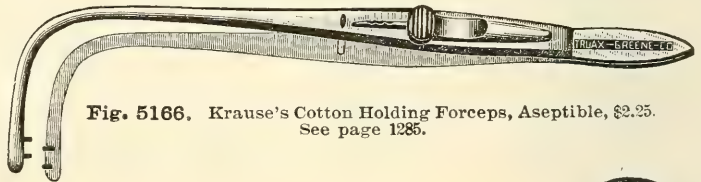


Fig. 5166. Krause's Cotton Holding Forceps, Aseptible, \$2.25. See page 1285.



Fig. 5178. Angular Seizing Forcep, \$2.00. See page 1285.

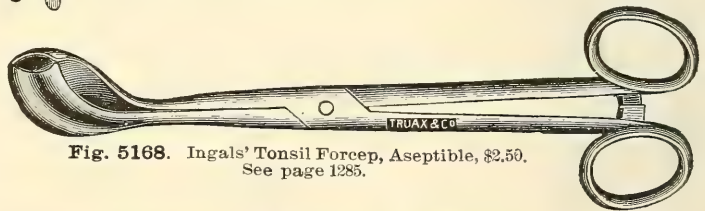


Fig. 5168. Ingals' Tonsil Forcep, Aseptible, \$2.50. See page 1285.



Fig. 5171. Faenger's Tonsil Forceps, \$2.25. See page 1285.

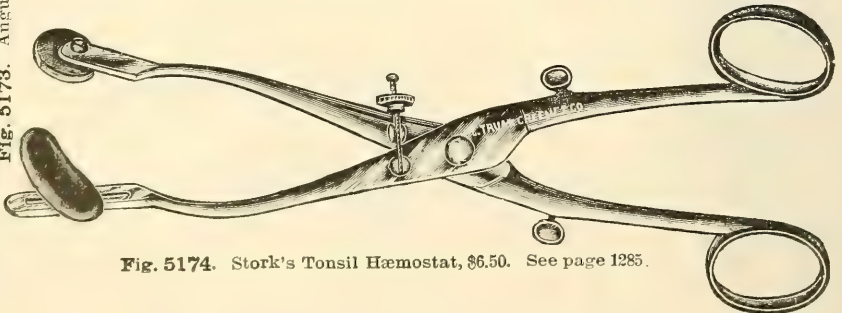


Fig. 5174. Stork's Tonsil Hæmostat, \$6.50. See page 1285.

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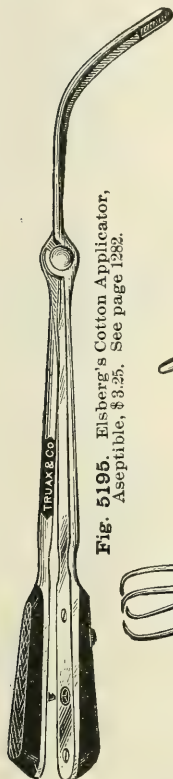


Fig. 5195. Elsborg's Cotton Applicator, Aseptible, \$3.25. See page 1282.

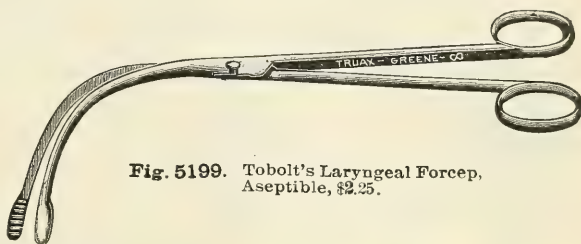


Fig. 5199. Tobolt's Laryngeal Forcep, Aseptible, \$2.25.



Fig. 5181. Cohen's Pharyngeal Cotton-Holding Forcep, \$1.85. See page 1285.

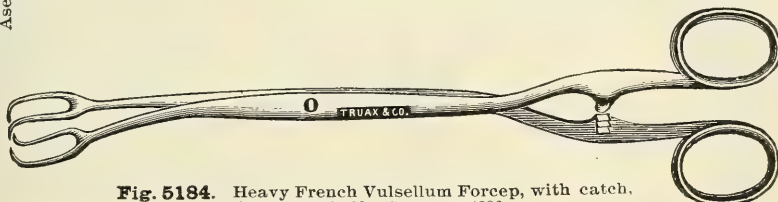


Fig. 5184. Heavy French Vulsellum Forcep, with catch. Aseptible, \$2.00. See page 1286.



Fig. 5186. O'Dwyer's Laryngeal Snare, Aseptible, \$2.60. See page 1290.

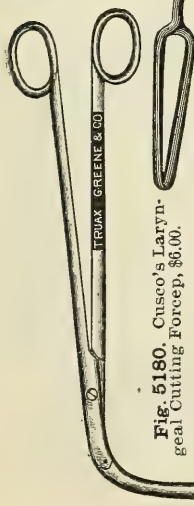


Fig. 5180. Cusco's Laryngeal Cutting Forcep, \$6.00.

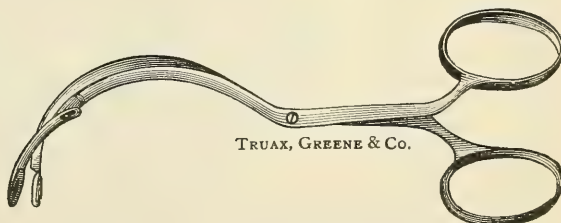


Fig. 5190. Collins' Trachea Canula Forcep, Aseptible, \$3.00. See page 1284.

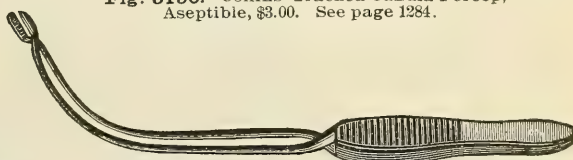


Fig. 5191. Meunier's Trachea Canula Forcep, \$2.25. See page 1234.

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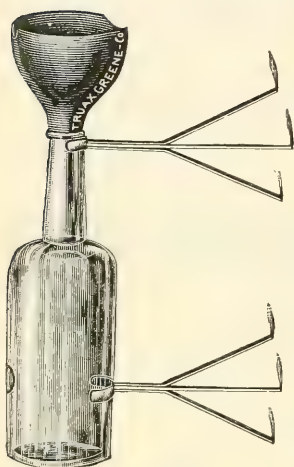


Fig. 5233. Shurley and Gibbs' Inhaler. \$6.00.

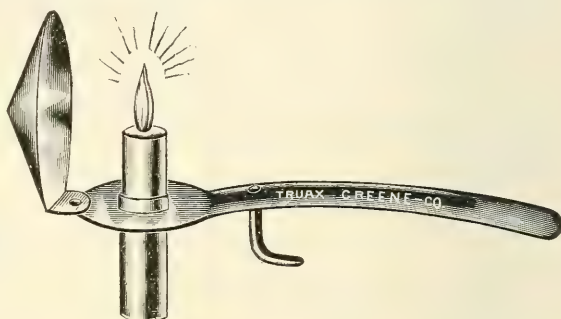


Fig. 5223. Nitchack's combined Reflector, Candle Holder and Tongue Depressor, \$1.25

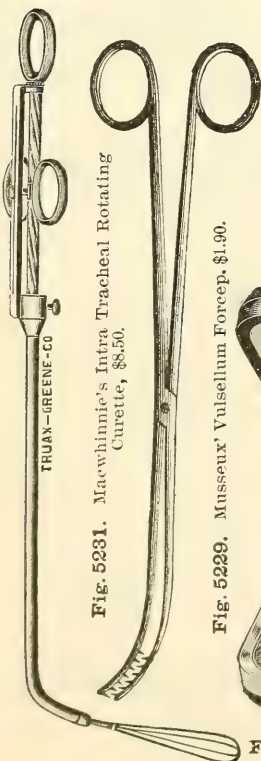


Fig. 5231. Macwhinnie's Intra Tracheal Rotating Curette, \$8.50.

Fig. 5229. Musseau's Vulsellum Forcep. \$1.90.

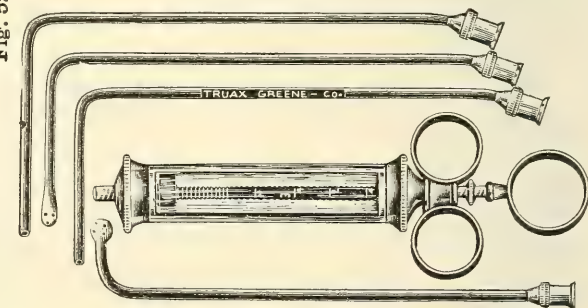


Fig. 5225. M. R. Brown's Laryngeal and Pharyngeal Syringe, with silver Tubes, in case, \$7.50.

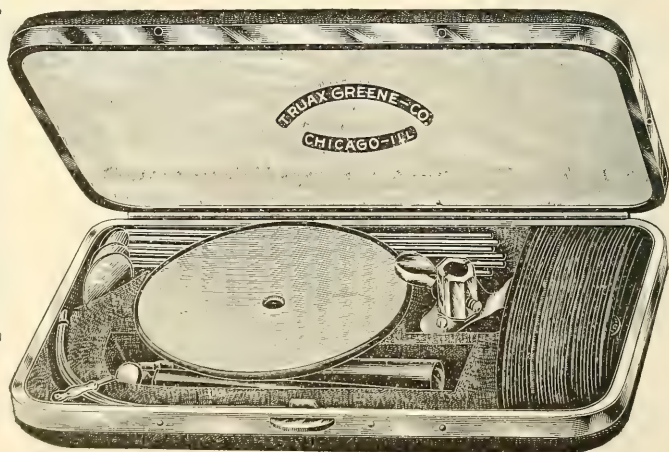


Fig. 5227. Truax, Greene & Co's Laryngoscopic Set. No. 2. Price in neat, metal trimmed case, \$10.00.

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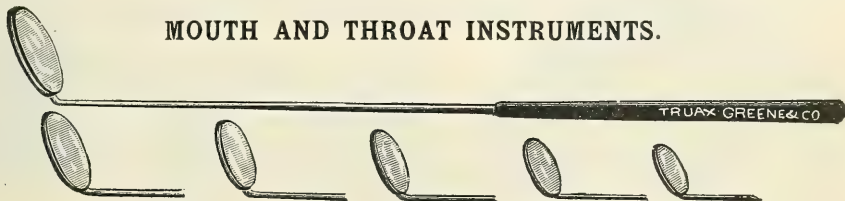
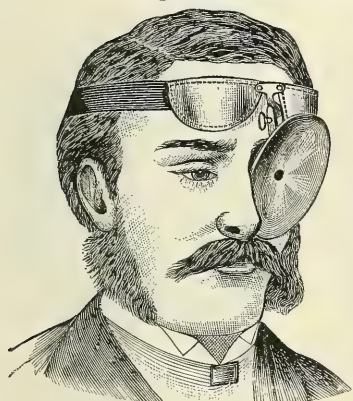


Fig. 5240. Throat Mirrors, best quality, any size, 50c. See page 1288.



IN USE

Fig. 5241. Sardy's Head-band, \$1.50 to \$1.75. See page 1286.

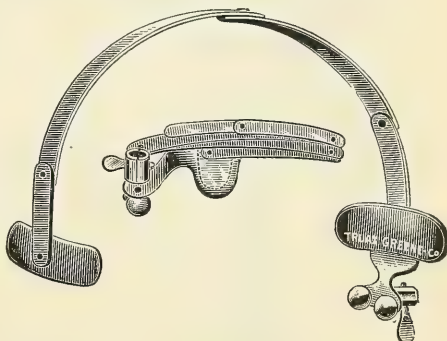


Fig. 5243. Folding Aluminum Head-band, \$4.00. See page 1286.

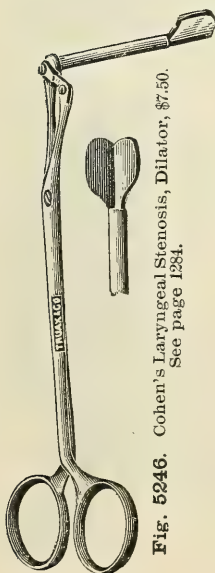


Fig. 5246. Cohen's Laryngeal Stenosis, Dilator, \$7.50. See page 1284.

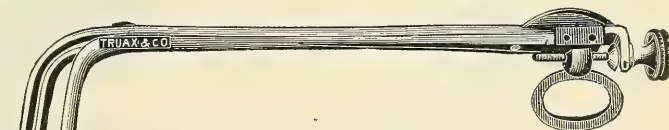


Fig. 5247. Mackenzie's Trivalve Dilator, \$13.50.



No. 2.



No. 1.

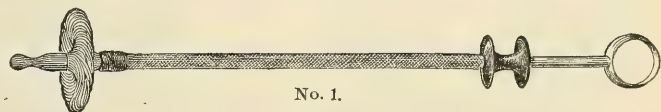


Fig. 5248. Bristle Probangs, \$1.00 to \$1.25. See page 1289.

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Fig. 5250. Nottenins' Demonstration Mirror, advantageous for teaching, \$1.00 (may be attached to any Mirror).

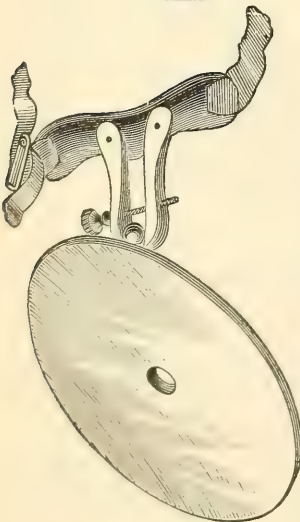


Fig. 5254. Plain Headband, 75c.; with Head Mirrors and Handles, \$2.75 to \$3.50. See page 1286.

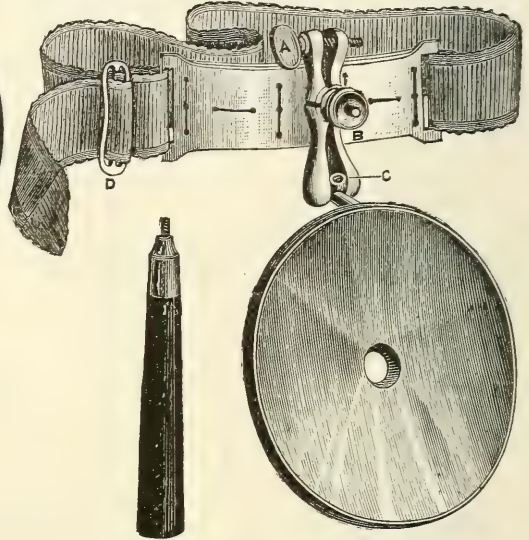


Fig. 5251. Sajou's Improved Headband, \$1.50; with Mirror, \$3.50 to \$4.25. See page 1286.

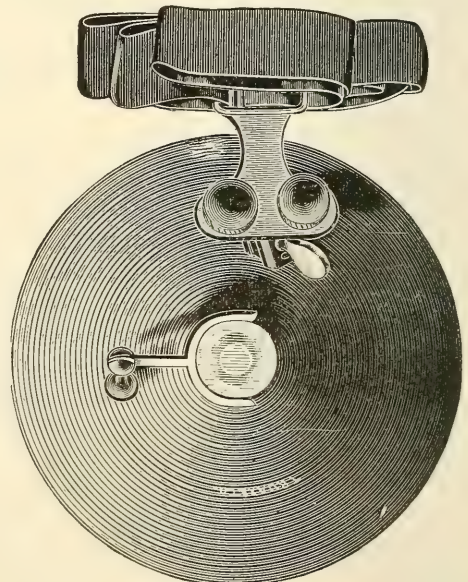


Fig. 5253. Ingals' Head Mirror, with Magnifying Lens, \$5.00; with Headband, \$6.25; Headband only, \$1.25. See page 1286.

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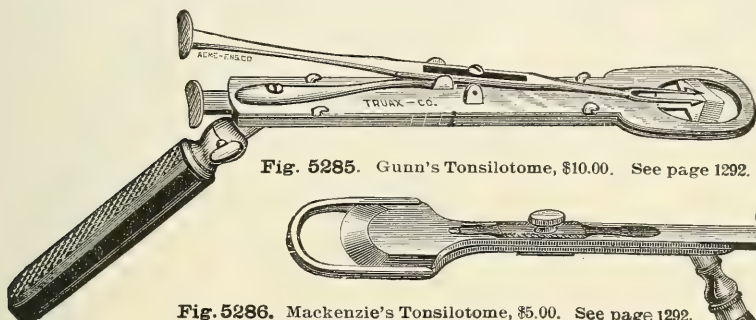


Fig. 5285. Gunn's Tonsilotome, \$10.00. See page 1292.

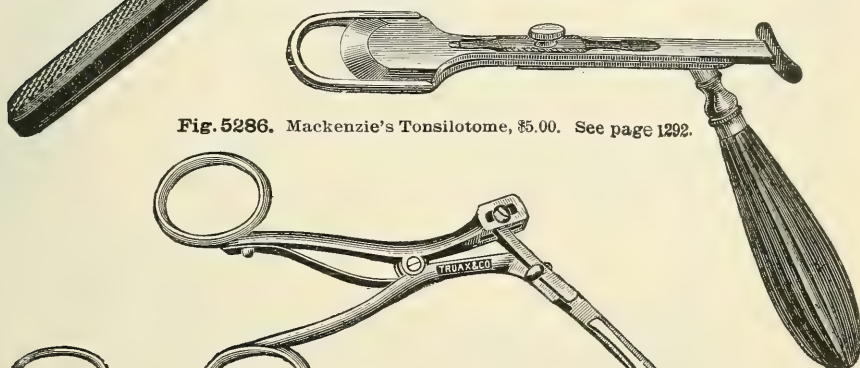


Fig. 5286. Mackenzie's Tonsilotome, \$5.00. See page 1292.

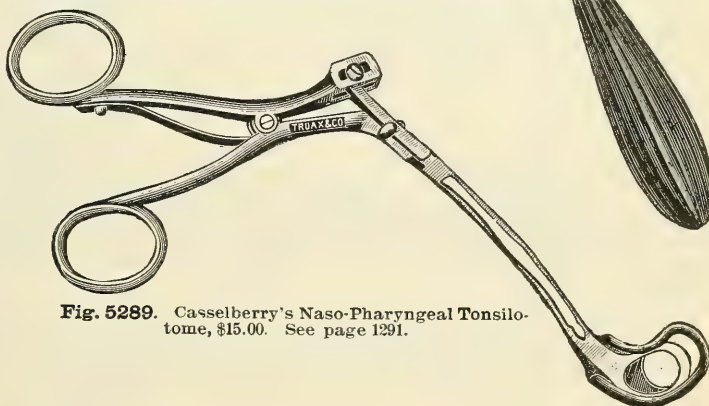


Fig. 5289. Casselberry's Naso-Pharyngeal Tonsilotome, \$15.00. See page 1291.

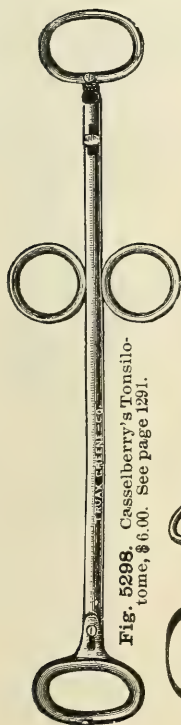


Fig. 5298. Casselberry's Tonsilotome, \$6.00. See page 1291.



Fig. 5293. Fahnestock's Tonsilotome, \$3.50. See page 1291.



Fig. 5294. Aubry's Tonsilotome, \$10.00. See page 1291.



Fig. 5295. Mathieu's Tonsilotome, \$5.00. See page 1292.



Fig. 5291. Billings' Tonsilotome, \$7.00. See page 1291.

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Fig. 5329. Esophageal Dilators, in sets, Bulbs in Handle, aseptic, \$3.50.

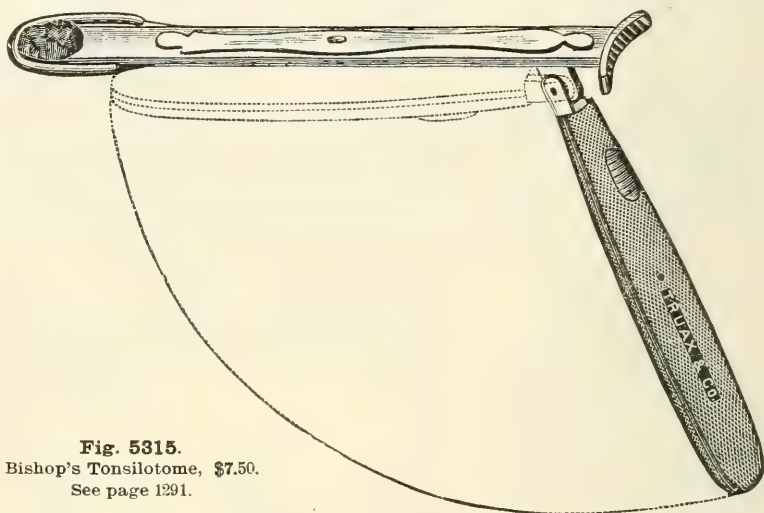


Fig. 5315.
Bishop's Tonsilotome, \$7.50.
See page 1291.

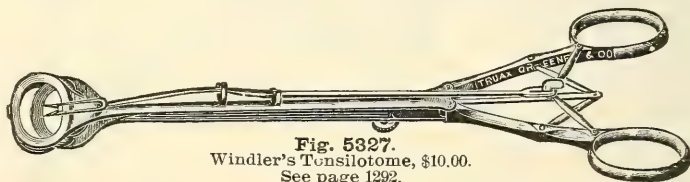


Fig. 5327.
Windler's Tonsilotome, \$10.00.
See page 1292.

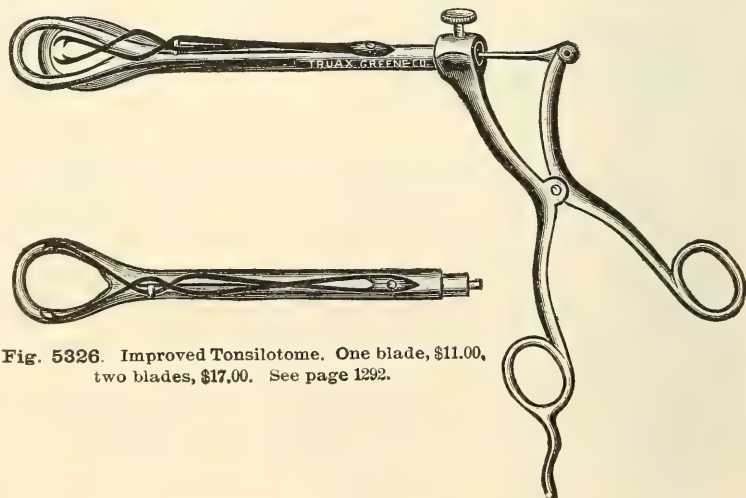


Fig. 5326. Improved Tonsilotome. One blade, \$11.00,
two blades, \$17.00. See page 1292.

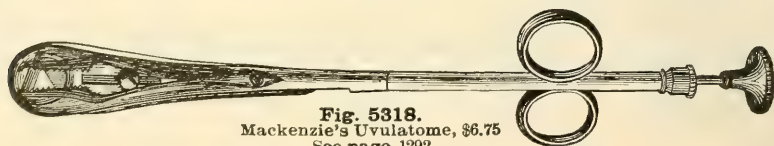


Fig. 5318.
Mackenzie's Uvulotome, \$6.75
See page 1292.

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Fig. 5331. Uvula Scissors with Claws, \$3.75. See page 1289.

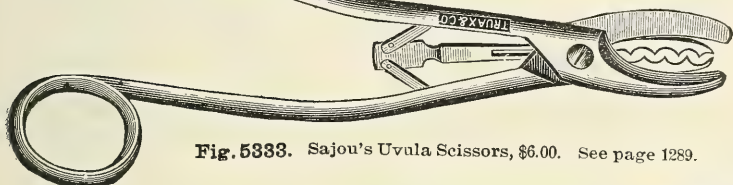


Fig. 5333. Sajou's Uvula Scissors, \$6.00. See page 1289.

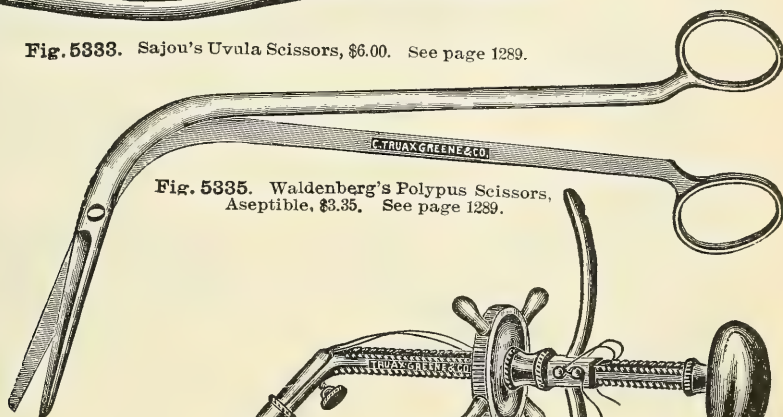


Fig. 5335. Waldenberg's Polypus Scissors, Aseptible, \$3.35. See page 1289.

Fig. 3539. Hammond's Tonsil Snare, \$6.50. Page 1290.

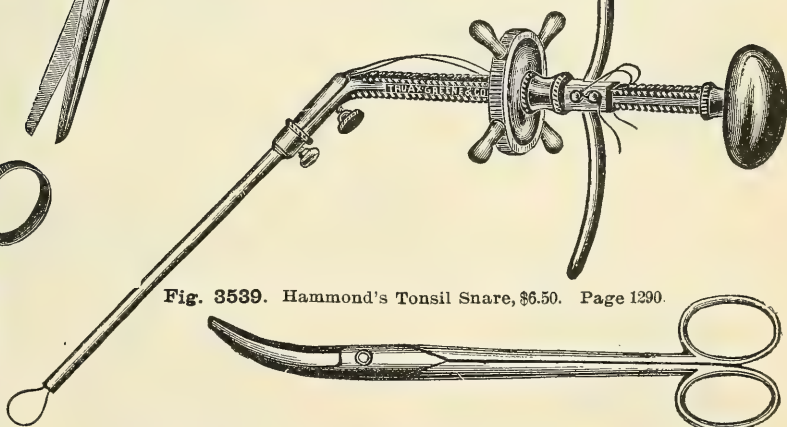


Fig. 5340. Tonsil Scissors, Curved on the Flat, Aseptible, \$1.75 to \$2.00.



Fig. 5341. Sellar's Uvula Scissors, \$4.50. See page 1289.

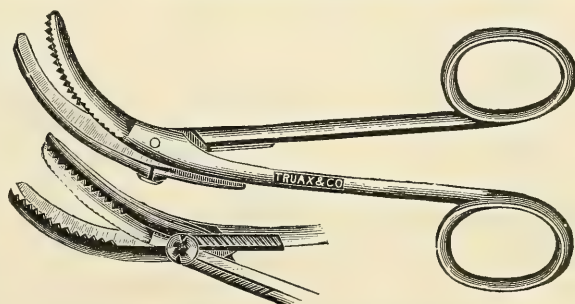


Fig. 5337. Casselberry's Lingual Tonsilotome, \$7.50.

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Fig. 5354. Sajou's Uvulatomer, \$6.00. See page 1292.

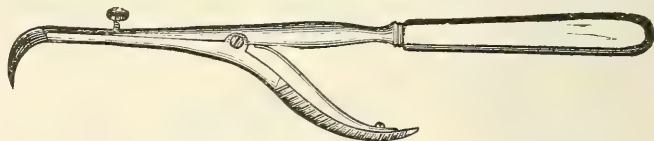


Fig. 5344. Langenbeck's Tracheotome, \$3.00. See page 1292.



Fig. 5346. Pilcher's Retractor, Aseptible, \$1.25. See page 1289.



Fig. 5348. Trachea Guide, Aseptible \$1.00. See page 1292.

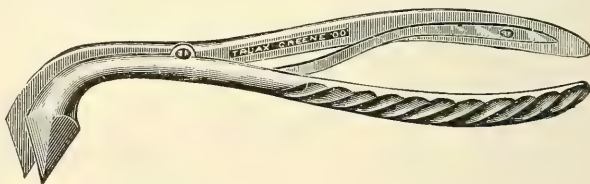


Fig. 5351. Pitha's Tracheotome, \$2.65. See page 1292.

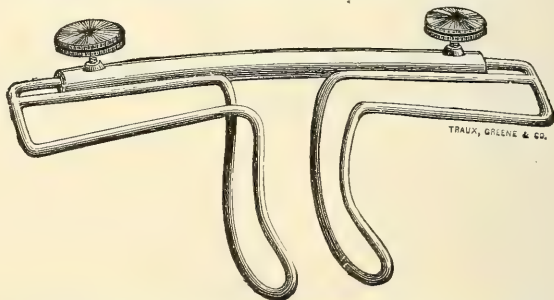


Fig. 5355. Minor's Trachea Retractor, \$3.40. See page 1289.

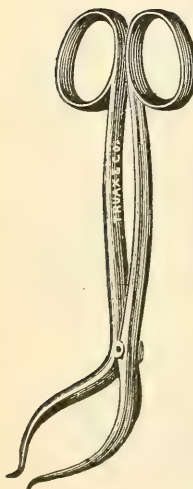


Fig. 5356. Otis' Trachea Dilator, \$2.50. See page 1284.

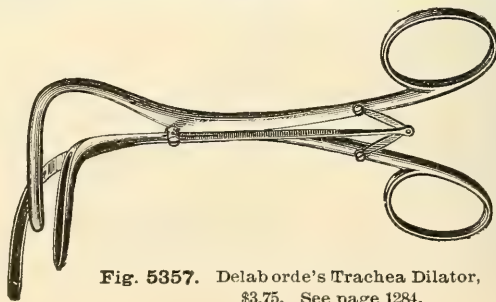


Fig. 5357. Delaborde's Trachea Dilator, \$3.75. See page 1284.

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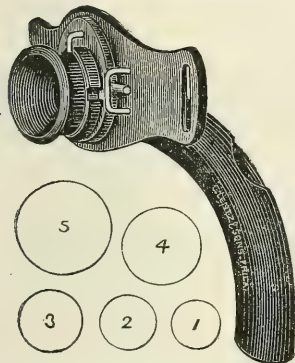


Fig. 5363. Hard Rubber Trachea Tubes, \$1.00. See page 1292.

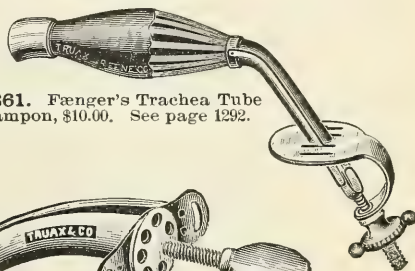


Fig. 5361. Fenger's Trachea Tube and Tampon, \$10.00. See page 1292.

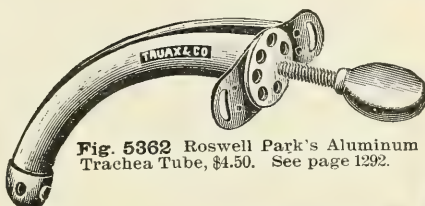


Fig. 5362 Roswell Park's Aluminum Trachea Tube, \$4.50. See page 1292.

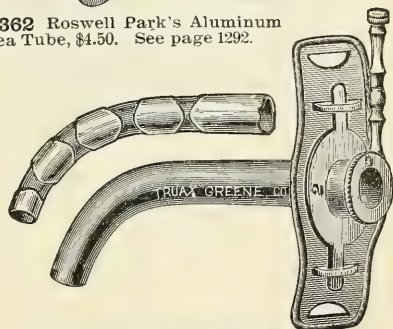


Fig 5365. Durham's Jointed Trachea Tube, \$6.50. See page 1292.

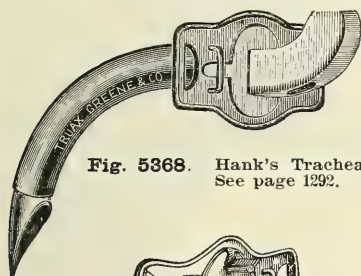


Fig. 5368. Hank's Tracheatome, \$5.00. See page 1292.

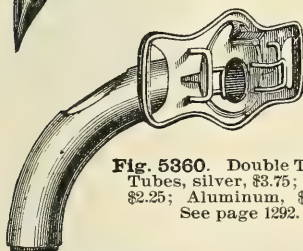


Fig. 5360. Double Trachea Tubes, silver, \$3.75; plated, \$2.25; Aluminum, \$2.00. See page 1292.

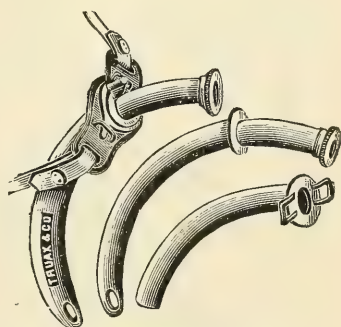


Fig. 5366. Cohen's Trachea Tubes, Silver, \$6.00. See page 1292.

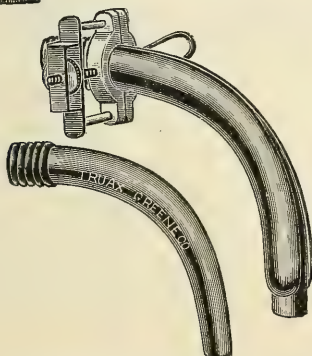


Fig. 5364. Dilating Trachea Canula, with 3 sizes Tubes, \$8.50. See page 1292.

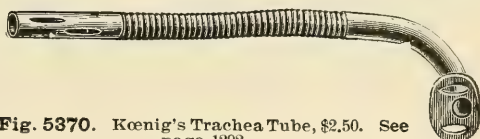


Fig. 5370. Koenig's Trachea Tube, \$2.50. See page 1292.

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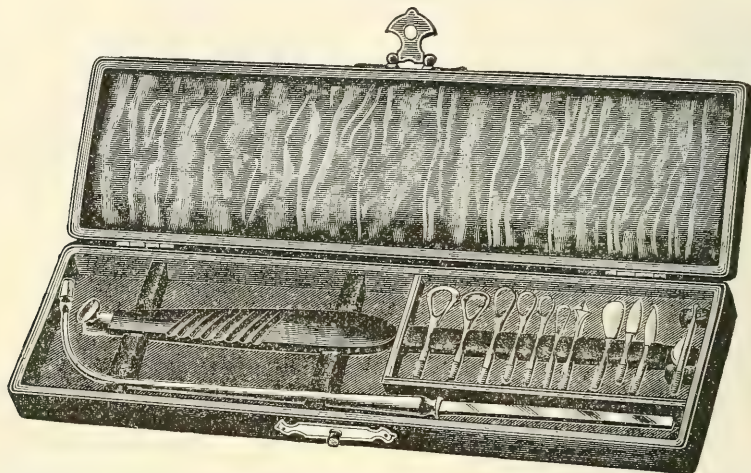


Fig. 5374. Hering's set, 7 Knives and 4 Curettes, with Handle, in case, Aseptible, \$18.75.

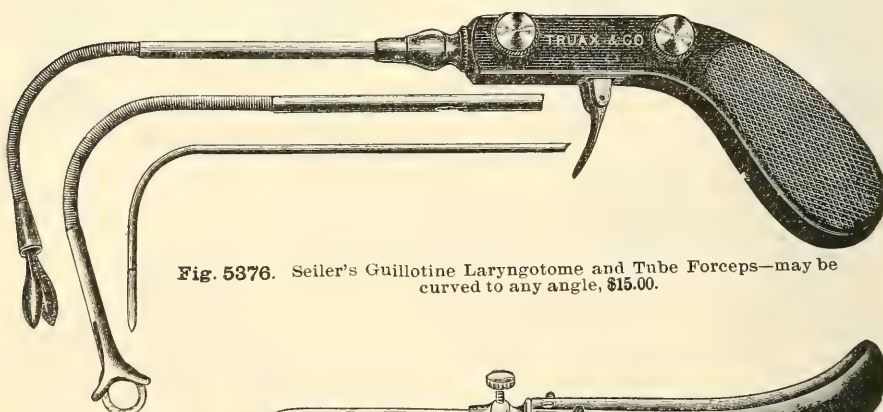


Fig. 5376. Seiler's Guillotine Laryngotome and Tube Forceps—may be curved to any angle, \$15.00.

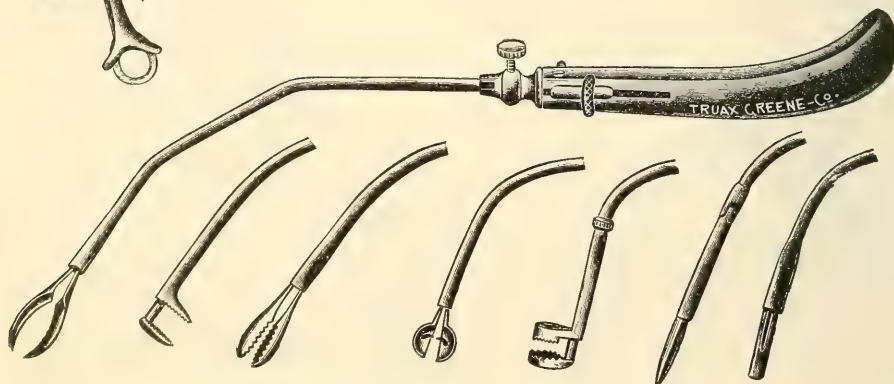


Fig. 5378. Schroetter's Laryngeal, set of 9 pieces, \$25.00.

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Fig. 5391. Bucket Coin Catcher and Sponge Probang \$1.75. See page 1289.



Fig. 5395. Morgan's Uvula Clamp, \$1.00.



Fig. 5394. Langenbeck's Finger Protector, \$1.15. See page 1284.



Fig. 5396. Trosseau's Trachea Dilator, \$1.75.



Fig. 5397.

Einhorn's Silver Stomach Bucket, to be attached to a silk cord and swallowed. \$2.00.

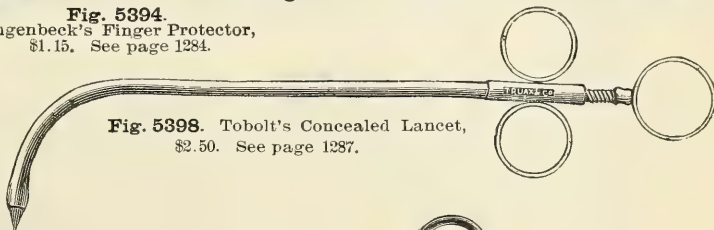


Fig. 5398. Tobolt's Concealed Lancet, \$2.50. See page 1287.

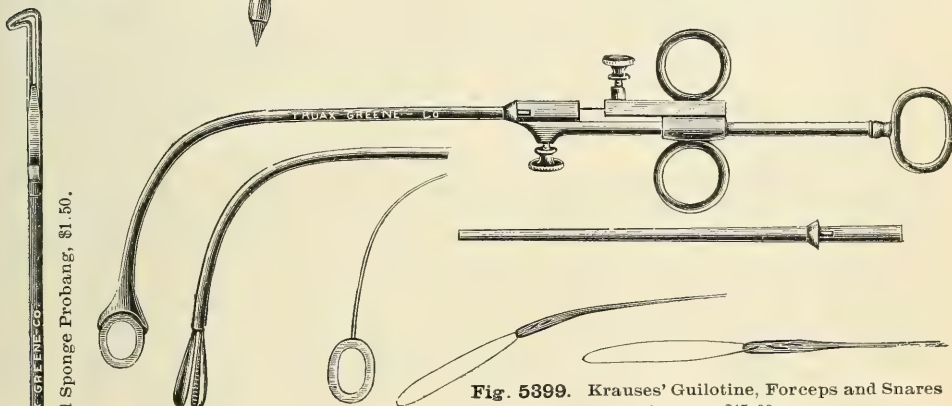


Fig. 5399. Krauses' Guillotine, Forceps and Snares in case, \$15.00.

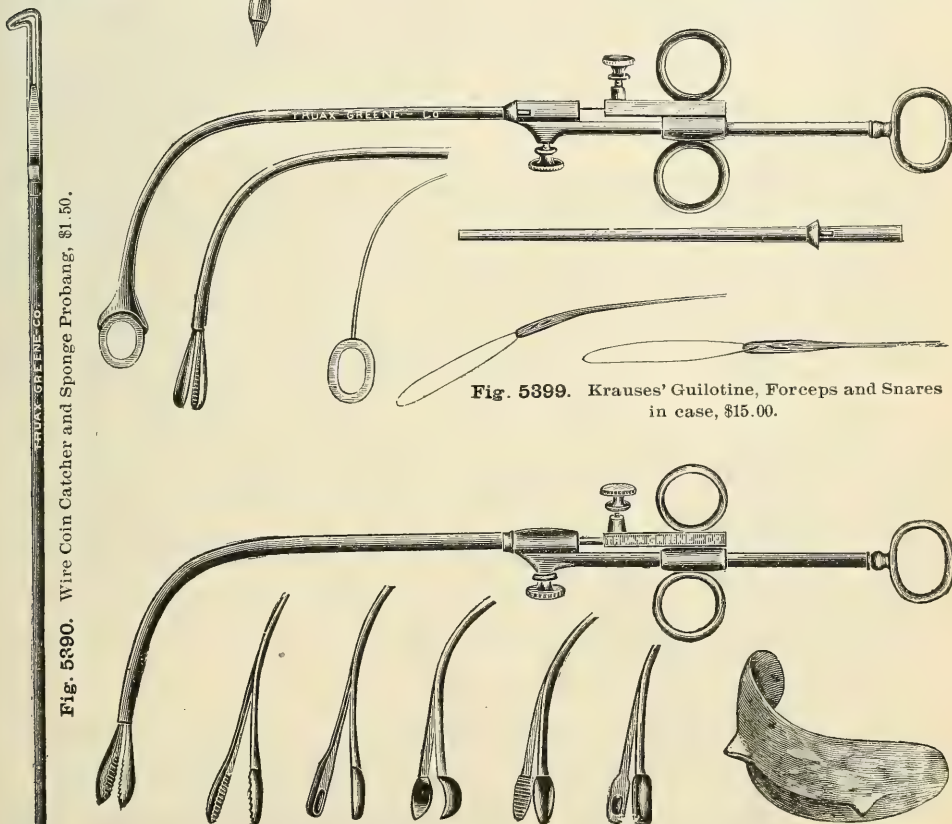


Fig. 5400. Tobolt's Set of 6 Forceps, Knives, etc., in Case, \$15.00.

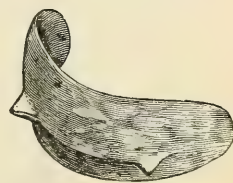


Fig. 5393. Inhibitor, to prevent Snoring, \$2.00.

Fig. 5390. Wire Coin Catcher and Sponge Probang, \$1.50.

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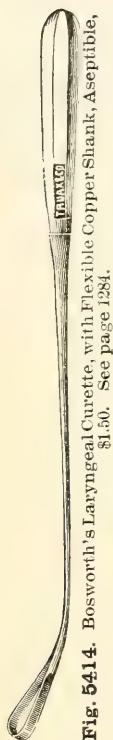


Fig. 5414. Bosworth's Laryngeal Curette, with Flexible Copper Shank, Aseptible, \$1.50. See page 1284.



Fig. 5403. Whitehead's Spiral Needle, \$1.25. See page 1288.

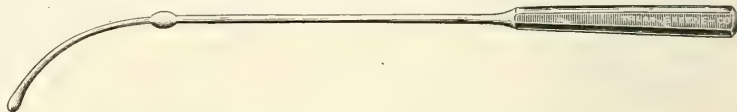


Fig. 5405. Lente's Caustic Probe, Aseptible, 85c. See page 1289.

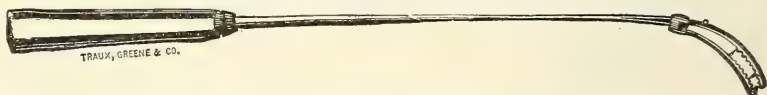


Fig. 5407. Granger's Sponge Holder, steel, \$1.50. See page 1290.



Fig. 5409. Buck's Sponge Holder, Aseptible, 50c. See page 1290.

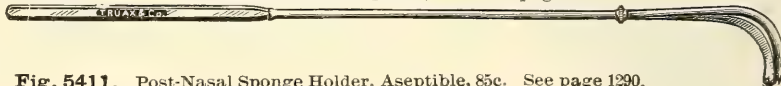


Fig. 5411. Post-Nasal Sponge Holder, Aseptible, 85c. See page 1290.

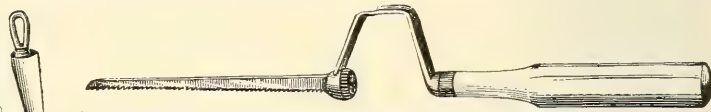


Fig. 5415. Goodwillie's Oral Saw, \$2.60. See page 1289.



Fig. 5419. Dunn's Cotton Applicator, Silver, Aseptible, \$1.50. See p. 1283.

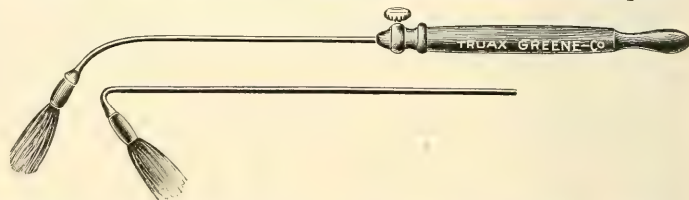


Fig. 5421. Wagner's Brush Holder, with 12 brushes, Aseptible, \$2.00. See p. 1283.

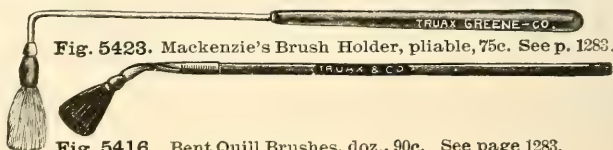


Fig. 5416. Bent Quill Brushes, doz., 90c. See page 1283.

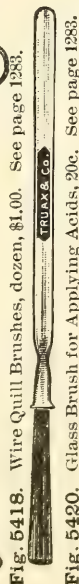


Fig. 5418. Wire Quill Brushes, dozen, \$1.00. See page 1283.

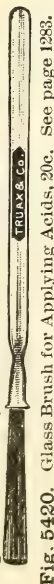


Fig. 5420. Glass Brush for Applying Acids, 20c. See page 1283.

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Fig. 5454. Whitehead's Gum Knife, Aseptible, \$1.10. See page 1287.

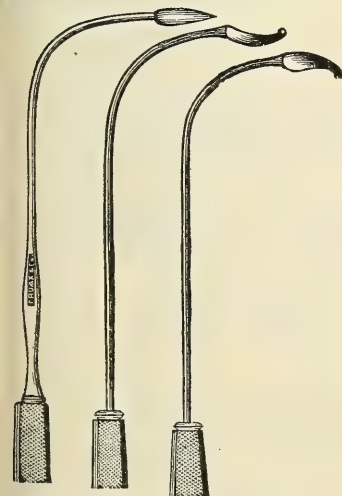


Fig. 5452. Tobolt's Laryngeal Knives, Aseptible, each, \$1.25. See page 1287.



Fig. 5434. Updegraff's Staphylorraphy Needle, Aseptible, \$1.25. See page 1288.



Fig. 5436. Updegraff's Staphylorraphy Blunt Hook, Aseptible, \$1.25. See page 1286.



Fig. 5438. Updegraff's Curved Staphylorraphy Needle, Aseptible, \$1.25. See page 1288.



Fig. 5440. Updegraff's Staphylorraphy Bistoury, Aseptible, \$1.25. See page 1283.



Fig. 5446. Whitehead's Paring Knives, Aseptible, \$1.10. See page 1287.



Fig. 5447. Langenbeck's Double Edge Probe Point Knife, Aseptible, \$1.25.



Fig. 5449. Langenbeck's Convex Edge Knife, Aseptible, \$1.25.

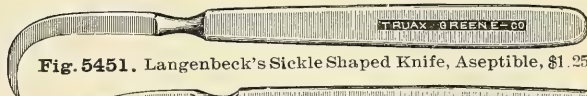


Fig. 5451. Langenbeck's Sickle Shaped Knife, Aseptible, \$1.25.

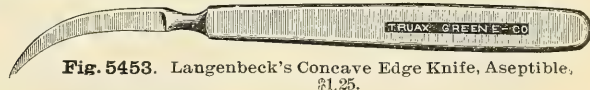


Fig. 5453. Langenbeck's Concave Edge Knife, Aseptible, \$1.25.



Fig. 5455. Langenbeck's Double Edge Curved on Flat Knife, Aseptible, \$1.25.



Fig. 5457. Langenbeck's Double Edge Straight Knife, Aseptible, \$1.25.



MOUTH AND THROAT INSTRUMENTS.



Fig. 5465. Silken Linen Feeding Tubes, \$1.00.

SILKEN LINEN AMERICAN STOMACH TUBES.

Equal to the Finest Imported.

PRICES REDUCED.



Fig. 5467. Silken Linen Stomach Tubes, \$1.00. See page 1290.



Fig. 5469. Double Channel Stomach Tube, \$2.50 to \$4.50. See page 1290.



Fig. 5471. Esophageal Bougie, 85c. See page 1283.



Fig. 5477. Funnelled Stomach Tube, with Bulb, \$1.50. See page 1290.

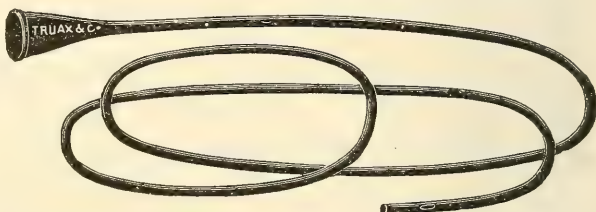


Fig. 5473. Funnelled Stomach Tube, \$1.25. See page 1290.

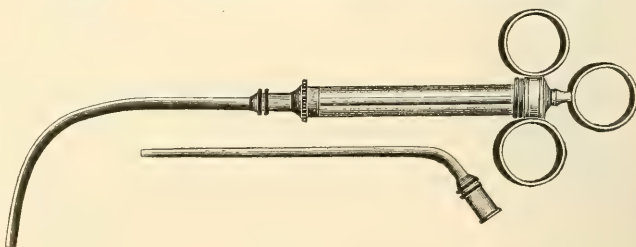


Fig. 5475. Laryngeal Syringe, two pipes, \$1.75. See page 1291.



MOUTH AND THROAT INSTRUMENTS.

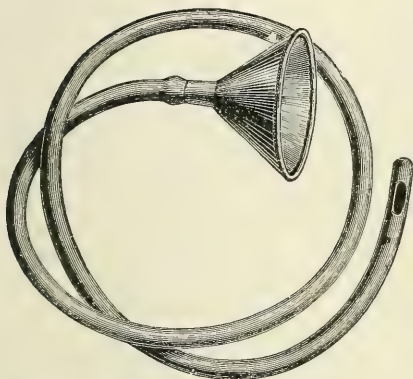


Fig. 5490. Davidson's Funnelled Stomach Tube, \$1.50.

DAVIDSON'S STOMACH TUBES. No. 185.

Finely finished, tan stock, 5 feet long and Nos. 27, 29, 31 and 34, French in size.

The eyes are cut in the end or side, or both, as may be desired.

These tubes are made with a soft rubber funnel or can be furnished without if desired.



Fig. 5491. Funnelled Feeding Tube, 75c. to \$1.25. See page 1290.

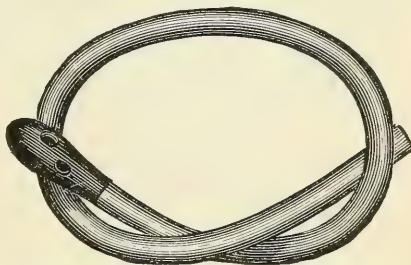


Fig. 5492. English Stomach Tubes, \$1.00. See page 1290.

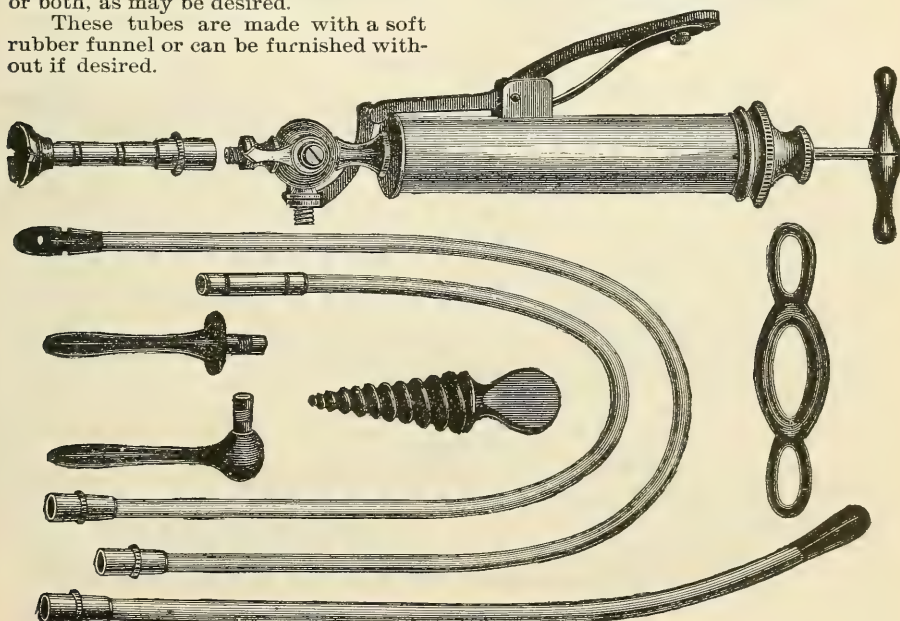


Fig. 5495. Lever Stomach Pump, \$12.00. See page 1290.



OUTLINE OF TOOTH EXTRACTING.

For General Practitioners of Medicine.

ARRANGED BY

MORTON G. KIMMELL, B. S., M. D.

TEETH.	FORCEP No.	WHERE TO STAND.	MOVEMENT BESIDE STEADY TRACTION.	INSTRUCTION.
Upper incisors, Upper canines,	1 (30)	Right side.	First rotate, may change to inward and outward.	Let handles incline toward lower jaw. Put forcep well up against process.
Upper bicuspid,	25	ditto	Inward and outward.	For left side teeth turn patient's face well toward you.
Left upper molars,	13	ditto	ditto	Ditto, and <i>forcible</i> traction.
Right upper molars,	14	ditto	ditto	Forcible traction.
Upper wisdoms,	1	ditto	Backward and upward.	Move them externally first. One to six roots. Don't use elevator.
Lower incisors, Lower canines,	26	Left canine, left side; others, right side.	Outward and inward.	Guard against striking upper teeth. May protect with the two fingers.
Lower bicuspid,	26 or 43	Left teeth, left side; rt. teeth, right side.	Rotate.	Stand somewhat behind the patient for pulling right teeth.
Lower molars,	24	Right side.	Outward and inward; when crown turns in pull more upward and backward.	When tooth is much broken down or hollowed out, may use 43, grasping the root which offers best hold.
Lower wisdoms,	24, may use 26	ditto	Backward and upward; possibly outward.	Root is generally single, with traces of subdivision into two roots. May use elevator.

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REMARKS.

In those cases in which the Doctor has not a regular dental chair, he will find this arrangement thoroughly satisfactory: place two straight-back chairs with their backs together; let the patient sit in one of them, and let the operator place his foot in the other, allowing the left knee to serve as a head-rest. However, to extract from the left side lower bicuspid, the lower canine, and with some, the second lower incisor, it is more convenient to stand on the left side, letting the right knee be the head-rest, unless it is necessary at the same sitting to abstract from the other side, in which case stand at the right and pull *across* the mouth. For children, lower the head-rest by placing the foot on a chair-round, a box, or something else lower than the chair seat.

When pulling lower teeth, steady the jaw by lowering the chin; when pulling upper teeth, steady the head by pressing against the forehead or the upper teeth. Keep the patient's mouth wide open. Always remember to turn the patient's head to either side necessary to obtain access to the tooth. In applying forceps to upper teeth, grasp with finger and thumb the gum covering the alveolar process at the sides of the roots. This will steady the jaw, and afford a better knowledge of the situation of the forcep. *Do not get into a hurry*; if the forcep is slipping or the fang is giving away, relax the hold and again push up the forcep. The thumb of the left hand with fingers under the jaw, may be pushed down on the hinge of the forcep to afford additional pressure when getting a deep hold on the lower roots. When two or more must be drawn, pull first the most dependent tooth so that the blood cannot hide the others. If an anæsthetic is required, have the patient well under its influence and in a horizontal position; and if there is much delay for any cause, before the extracting is concluded, see that the subject is still well anæsthetized before proceeding.

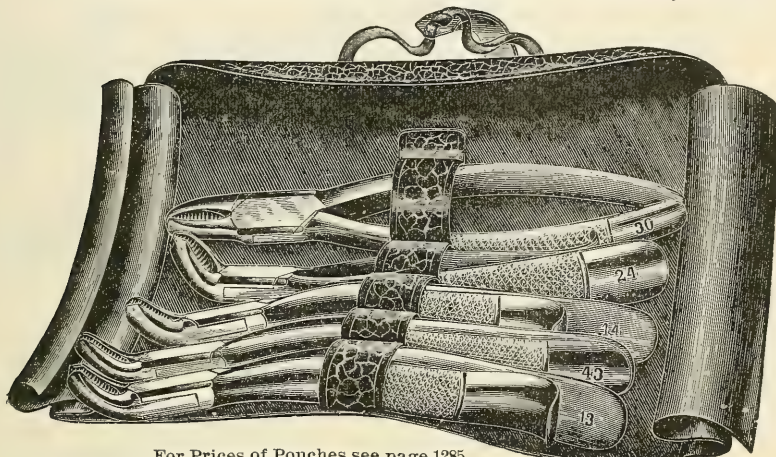
For temporary teeth, No. 43 can be used for all, but the molars can generally be well drawn with No. 24 for those below and Nos. 13 and 14 for those above. Do not pinch off the ingrowing permanent tooth.

The seven forceps recommended are numbered to correspond with the numbers in the catalogue of Truax, Greene & Co., 75 and 77 Wabash Avenue, Chicago. They are: 13, Harris' upper molar, right; 14, Harris' upper molar, left; 24, Wolverton's lower molar, either side; 25, upper bicuspid; 26, lower bicuspid; 43, universal root, and 1, upper wisdom (bayonet shaped), which, when used to extract front teeth, must, of course, be turned sidewise, so that the fangs may fit inside and outside. If eight forceps can be purchased, which is, of course, desirable, No. 30 should be substituted for No. 1, except for drawing upper wisdoms. An elevator is sometimes useful. Some manufacturers bend their lower bicuspid forceps so as to require the operator to stand at the right. No. 26 can be used when the operator is at either side.

HAS TRUAX TRUAX GREENE & CO.

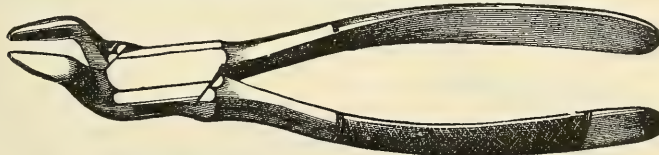
MOUTH AND THROAT INSTRUMENTS.

Tooth Forceps—Nickel Plated. All Warranted for 90 Days' Use.

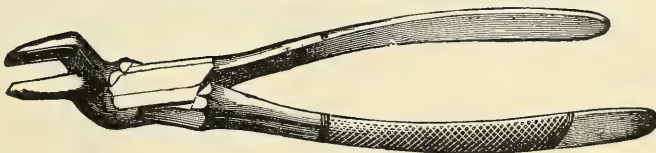


For Prices of Pouches see page 1285.

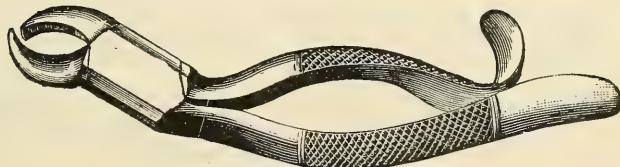
Fig. 5500. Truax & Co's Set of Five Tooth Forceps, in Pouch, \$7.25. See page 1285.
For other sets of Tooth Forceps, see page 1285.



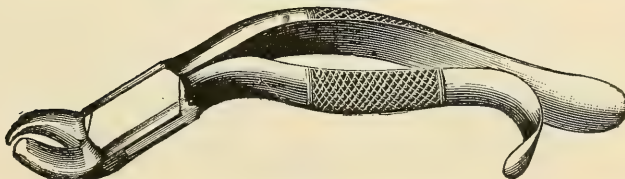
No. 1. Upper Wisdom, \$1.25.



No. 3. Upper Stump, \$1.25.



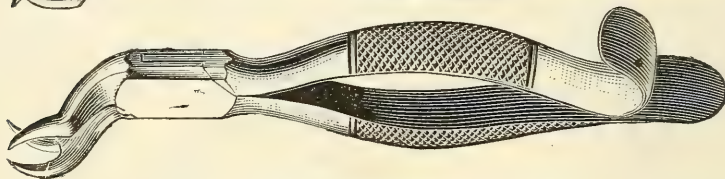
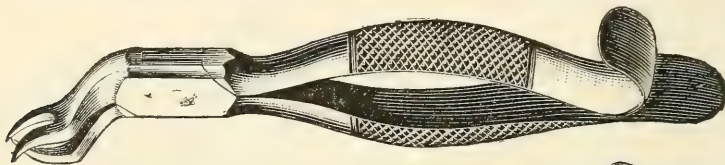
No. 5. Right Upper Molar, Cow-horn, \$1.25.



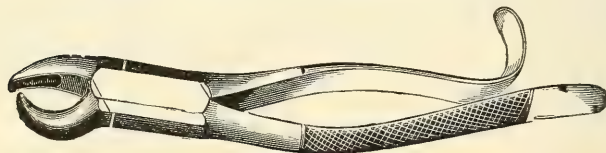
No. 6. Left Upper Molar, Cow-horn, \$1.25.



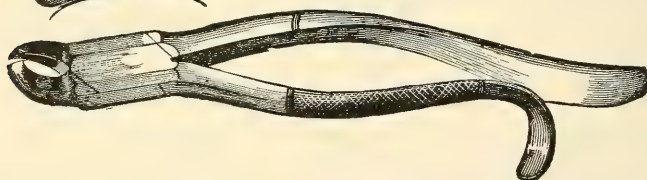
MOUTH AND THROAT INSTRUMENTS.



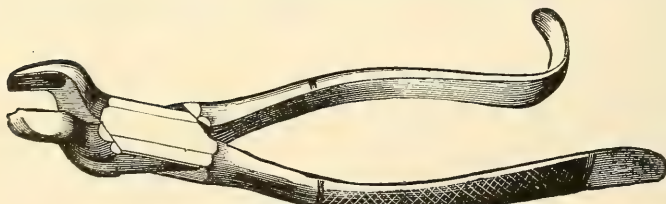
No. 7. Three Prong Upper Molar, right, \$2.25.
No. 8. Three Prong Upper Molar, left, \$2.25.



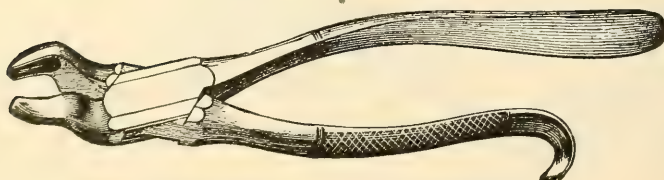
No. 9. Upper Molar, Cow-horn, either side, \$1.25.



No. 10. Upper Molar, either side, \$1.25.



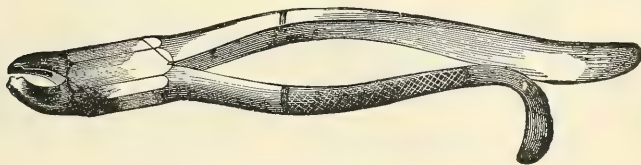
No. 11. Bayonet Upper Molar, left, \$1.25.



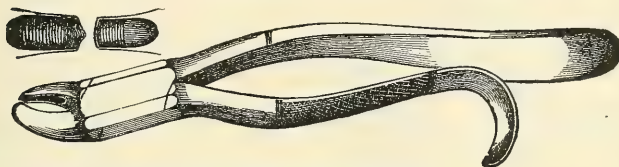
No. 12. Bayonet Upper Molar, right, \$1.25.



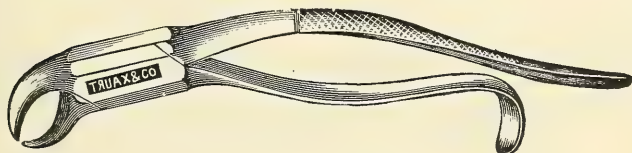
MOUTH AND THROAT INSTRUMENTS.



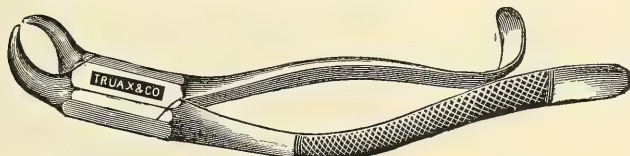
No. 13. Harris' Upper Molar, left, \$1.25.



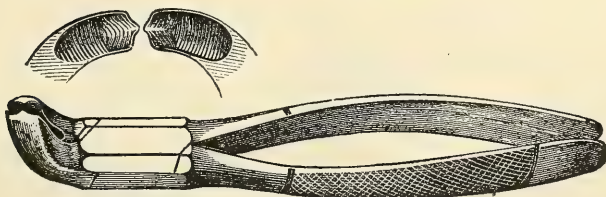
No. 14. Harris' Upper Molar, right, \$1.25.



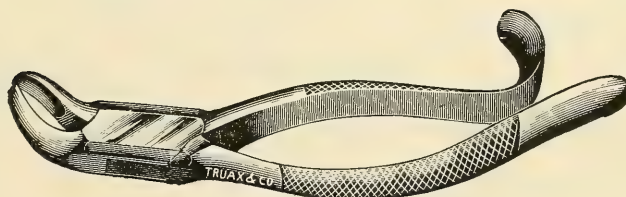
No. 15. Cow-Horn Lower Molar, right, \$1.25.



No. 16. Cow-Horn Lower Molar, left, \$1.25.



No. 17. Harris' Lower Molar, either side, \$1.25.



No. 18. Marshall's Lower Molar, either side, \$1.25.

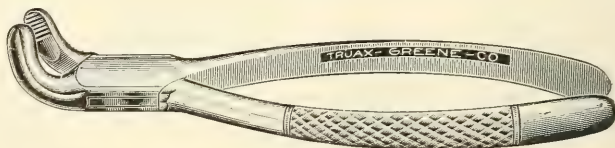
MOUTH AND THROAT INSTRUMENTS.



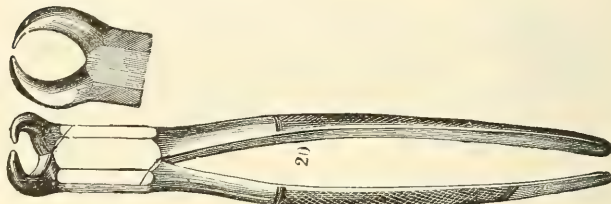
Fig. 5508. Stag-foot Elevator, 75c.



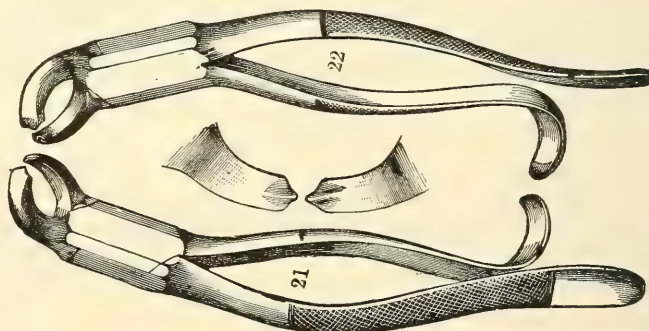
Fig. 5505. Root Extractor, 75c.



No. 19. Lower Wisdom, \$1.25.

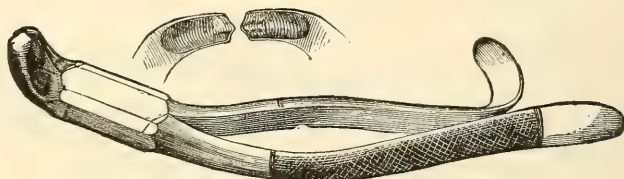


No. 20. Cow-Horn, Lower Molar, either side, \$1.25.

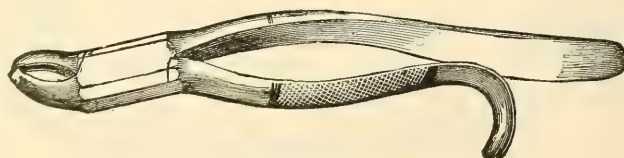


No. 21. Harris' Lower Molar, right, \$1.25.

No. 22. Harris' Lower Molar, left, \$1.25.



No. 24. Wolverson's Lower Molar, either side, \$1.25.

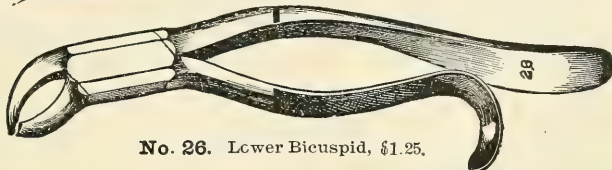


No. 25. Upper Bicuspid, \$1.25.

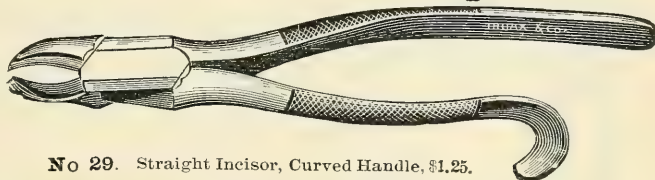
MOUTH AND THROAT INSTRUMENTS.



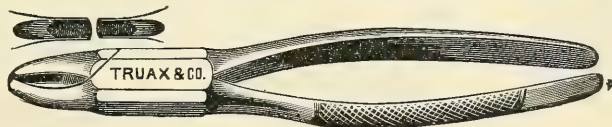
Fig. 5508. Gum Lancet, 75c.



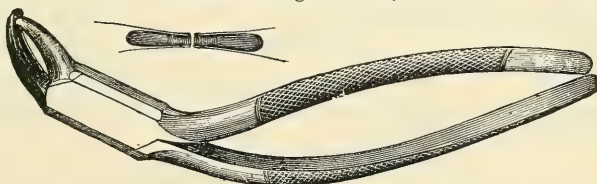
No. 26. Lower Bicuspid, \$1.25.



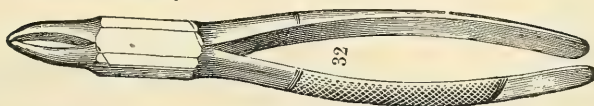
No. 29. Straight Incisor, Curved Handle, \$1.25.



No. 30. Straight Incisor, \$1.25.



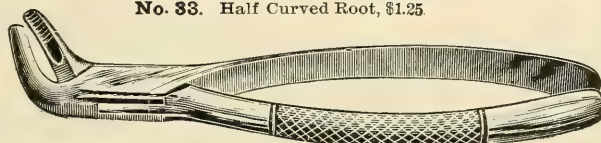
No. 31. Lower Root, \$1.25.



No. 32. Straight Root, \$1.25.



No. 33. Half Curved Root, \$1.25.



No. 34. Full Curved Root, \$1.25.



Fig. 5507. Angular Root Elevator, 75c.

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MOUTH AND THROAT INSTRUMENTS.



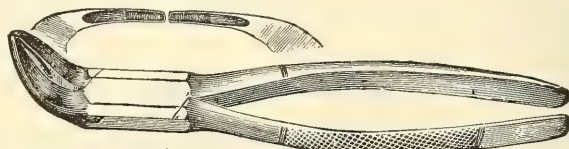
Fig. 5509. Screw Elevator, 75c.



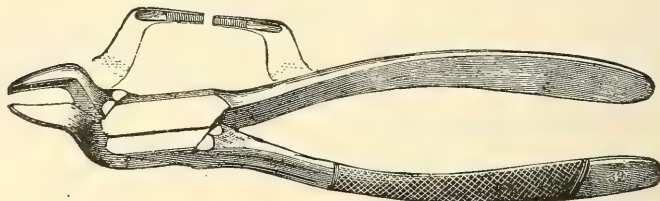
No. 36. Straight, Narrow-beaked Root, \$1.25.



No. 37. Half-curved Narrow-beaked Root, \$1.25.



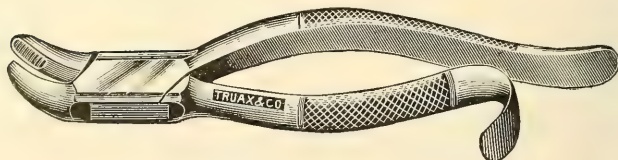
No. 38. Full-curved Narrow-beaked Root, \$1.25.



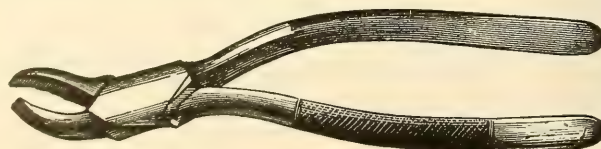
No. 39. Bayonet Narrow-beaked Root, \$1.25.



No. 55. Child's Curved Forcep, \$1.25.



No. 41. Universal Forcep, Curved Handle, \$1.25.



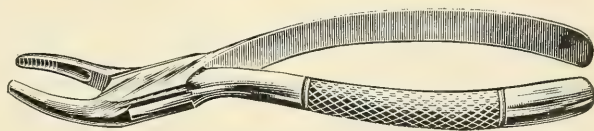
No. 42. Universal Forcep, \$1.25.

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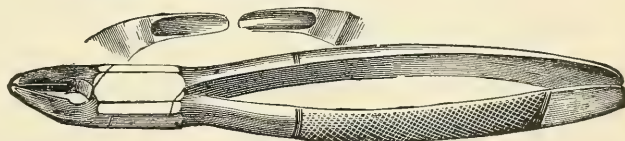
MOUTH AND THROAT INSTRUMENTS.



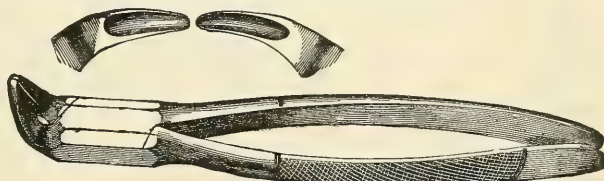
No. 54. Child's Straight Forcep, \$1.25.



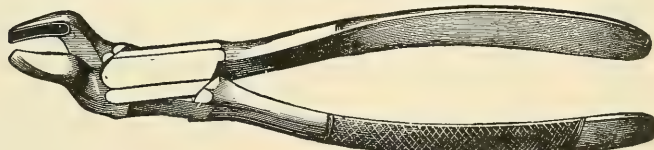
No. 43. Universal Root, \$1.25.



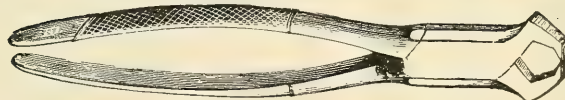
No. 45. Parmly's Half-Curved Alveola, \$1.25.



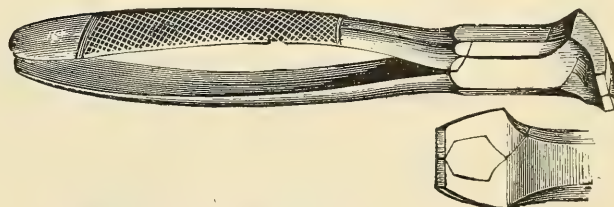
No. 46. Parmly's Full-Curved Alveola, \$1.25.



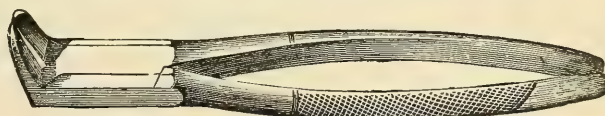
No. 47. Parmly's Bayonet Alveola, \$1.25.



No. 50. Straight Excising, \$1.75.



No. 51. Curved Excising, \$2.00.



No. 52. Splitting Forceps, \$1.75.



No. 53. Elevating Forcep, \$1.75.

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HERNIA INSTRUMENTS.

DIRECTORS, hinged.....	S 1 15
Levis', Fig. 5603.....	1 10
Peters', Fig. 5601.....	1 50
HERNIATOME, Warren's.....	4 50
INSTRUMENT, Agnew's.....	4 50
KNIVES, Cooper's, Fig. 5607.....	75c. to 1 10
NEEDLE, Dowell's, straight or curved.....	75
Warren's, spiral, Fig. 5605.....	1 50
Wheeler's, Fig. 5610.....	1 00
SYRINGE, De Garno's, Fig. 5612.....	6 00
Greno's, Fig. 5600.....	5 00
Heaton's.....	2 25
Warren's, spring and lever pattern, Fig. 5611.....	13 50

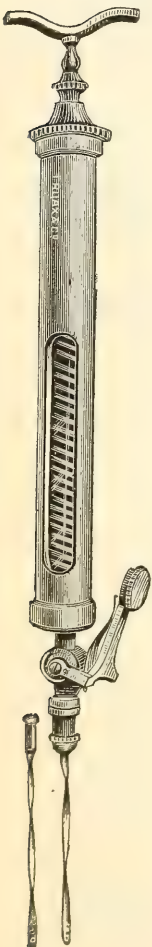


Fig. 5611. Warren's Hernia Syringe, \$13.50.



Fig. 5605. Warren's Hernia Needle, \$1.50.

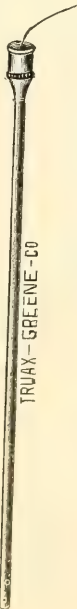


Fig. 5610. Wheeler's Hernia Needle, \$1.00.

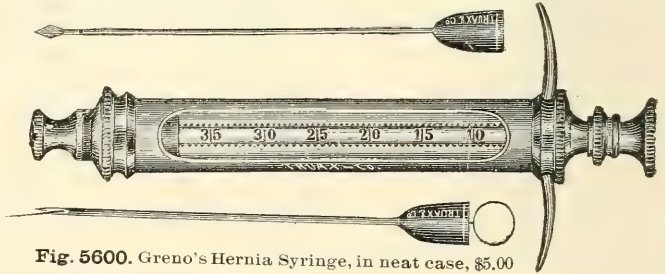


Fig. 5600. Greno's Hernia Syringe, in neat case, \$5.00

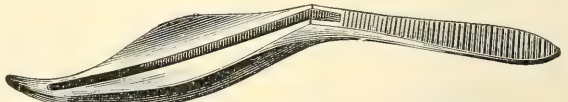


Fig. 5601. Peters' Hernia Director, \$1.50.



Fig. 5603. Levis' Hernia Director, \$1.10.

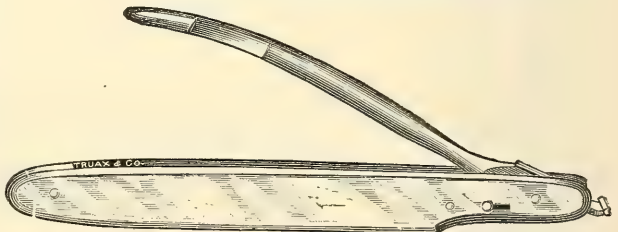


Fig. 5607. Cooper's Hernia Knife, in pocket case, \$1.10.

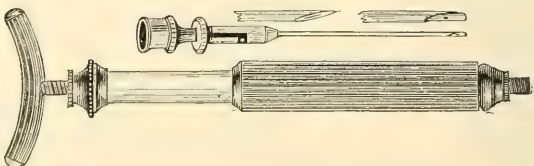


Fig. 5612. De Garno's Hernia Syringe, \$6.00.



MALE URETHRAL AND BLADDER INSTRUMENTS.

CATHETERS, Metal, block tin, flexible, Fig. 5839.....	\$ 0 75
Metal, Caustic, Dick's.....	2 65
" Cocaine, Wyeth's, for injecting cocaine.....	1 00
" Cooling, for reducing inflammation.....	2 00
" Double Channel, plated, Nott's, Fig. 5844.....	1 25
" " " plain eyes, Fig. 5840.....	1 25
" " " silver, Nott's, Fig. 5844.....	3 00
" " " plain eyes, Fig. 5840.....	3 00
" Gouley's, tunneled, and guide.....	1 75
" Gross', spiral, Fig. 5831, 75c.; jointed.....	1 00
" Male and Female, see page 1126.....	
" Otis', dilating, with syringe.....	2 00
" Plated, Fig. 5839.....	65
" Prostatic, plated.....	90
" " silver, No. 10 and smaller, Am. scale.....	1 75
" " " " 11 and 12 " ".....	2 00
" " " " 13 and 14 " ".....	2 50
" Silver, sterling, Nos. 8 and smaller, Am. scale.....	1 10
" " " " 9 to 11 " ".....	1 40
" " " " 12 to 14 " ".....	1 75
" " pure, flexible, Nos. 8 and smaller, Am. scale.....	1 75
" " " " 9 to 11 " ".....	2 25
" " " " 12 to 14.....	2 75
" Syringe, Bigelow's, Fig. 5835.....	3 00
" Thompson's, retention, with silver probe point.....	1 90
" Van Buren's, with Evacuating Bag, Fig. 6368.....	3 00
" Vertebrated, Squire's.....	2 50
Soft rubber, double current, Marey's, Fig. 5794.....	1 75
" Drainage, Fig. 5720.....	75
" Holt's, winged.....	1 00
" Jacques',.....	50
" " extra large sizes.....	60
" Leavitt's, female, Fig. 7779.....	50
" Nelaton's, Fig. 5785..... each, 25c., doz	2 50
" Depressed eye, Fig. 5783 A.....	50
" " eye, curved tip, Fig. 5783 F.....	75
" " " with bulb, Fig. 5783 D.....	1 00
" " open end, Fig. 5783 G.....	75
" " " near end, Fig. 5783 I.....	50
" " olive pointed, Fig. 5783 D.....	1 00
" " pointed, Fig. 5783 C.....	60
" " small eyes, Fig. 5783 E.....	60
CATHETERS, Web, American, linen, conical, Fig. 5727.....	40
Web, American, linen, cylindrical, Fig. 5721.....	35
" " " conical.....	40
" " " Mercier, Coudee, Fig. 5735.....	50
" " " Bicoodee, Fig. 5739.....	65
" " " Olivary, Fig. 5725.....	40



MALE URETHRAL AND BLADDER INSTRUMENTS.

CATHETERS, Web, American, linen, Prostatic, Fig. 5741.....	\$ 0 50
Web, American, linen, Rat tail, Fig. 5730.....	0 65
“ English, ordinary.....	15c, doz 1 25
“ “ extra large.....	.25c., doz 2 50
“ silk, cylindrical, Fig. 5723.....	65
“ “ Mercier's, Coudee, Fig. 5735.....	85
“ “ olive tip, Fig. 5725.....	75
“ double current, linen.....	1 25
“ “ English.....	1 00
An extra charge will be made for catheters larger than No. 15, American scale.	
CATHETER STERILIZER, Fig. 5787.....	2 50
CATHETER SYRINGE, Bigelow's, Fig. 5835.....	3 00
Dick's.....	2 65
Otis'.....	2 00
Parker's.....	2 60
CATHETER BOX, Papier mache, Fig. 5792.....	75
CATHETER HOLDER.....	40
CLAMP, Masturbation.....	75
Phimosis, plain, Fig. 5900.....	50
Scrotal, Henry's, Fig. 6181.....	6 00
Varicocele, Andrew's, Fig. 6192.....	4 00
“ King's, Fig. 6219.....	4 50
“ Lewis', Fig. 6220.....	3 00
“ Williams'.....	3 00
“ Wood's.....	1 85
COMPRESSOR, Carroll's, Fig. 6389.....	1 00
For seminal cords, Doisneau's.....	3 00
Hawe's, Fig. 6386.....	2 25
Miliano's, Fig. 6370.....	1 25
White's elastic.....	2 25
CONGESTER, Penis, Fig. 1963a.....	2 00
CRUTCH, Peter's.....	8 00
CURETTE, Bladder, Mussey's, Fig. 5848.....	2 25
Urethral, Langenbeck's.....	5 00
“ A. E. Rockey's.....	2 25
CYSTOSCOPES, ELECTRIC, see page 1433	
DILATORS, Lithotomy, Dolbeau's, Fig. 6310.....	18 00
Meatus, Otis'.....	1 15
Prostatic, Harrison's.....	1 10
“ gland, Gouley's, Fig. 6283.....	12 00
“ Mercier's.....	7 50
“ Schwartz'.....	6 50
Preputial, Bennett's, Fig. 6060.....	5 00
Urethral, Bumstead's-Holt's.....	10 25
“ Gouley's, for over distension, \$9.00; Fig. 6313.....	7 50
“ Gross'.....	10 00
“ Holt's.....	13 50
“ Lyon's, Fig. 6238.....	9 00



MALE URETHRAL AND BLADDER INSTRUMENTS.

DILATORS, Urethral, Nelaton's, Fig. 6236	\$ 9 00
Urethral, Priestley's.....	9 00
" Schweig's.....	7 50
" Stearn's, Fig. 6279.....	3 75
" Thompson's, \$7.50; in case.....	9 00
" Voillemer's.....	16 50
" And Stricture Cutters. See Urethrotomes, page 1398.	
DIRECTORS, Gouley's.....	1 15
Little's, Median.....	1 15
Vesical, Thompson's.....	1 85
DIVULSORS. See Dilators.	
DRAINAGE TUBES, Keyes's, Supra-pubic, Fig. 6025.....	1 90
Vischer's.....	1 00
ENDOSCOPES, Auspritz'	12 00
Desormeau's, in case, Fig. 6214.....	35 00
Electric, see Cystoscopes, page 1393.	
Glass, silvered, Fig. 5935.....	35
Klotz', Fig. 5917, plated, \$2.00; silver....	2 50
ENDOSCOPES, Lydston's.....	2 00
Otis', Fig. 5918.....	1 00
Porcelain	55
Skene's, Fig. 5921.....	1 90
Smith's	2 00
Weir's, Fig. 5920.....	1 00
EVACUATING APPARATUS, Bigelow's latest, Fig. 6384.....	20 00
Bigelow's original, with stand, Fig. 6372.....	12 00
Otis'	18 00
Thompson's latest, Fig. 6382.....	20 00
EXCISOR, Mercier's, prostate, improved.....	37 50
Tait's.....	5 50
FORCEPS, Bladder, Thompson's, bayonet, Fig. 6183.....	3 75
Bladder, Thompson's, curved, Fig. 6185.....	3 75
" " double curved, Fig. 6187.....	3 75
Lithotomy, curved, Fig. 6163.....	2 00
" Little's, straight, Fig. 6161.....	2 00
" Teevan's, fenestrated.....	2 25
Phimosis, Aubry's, Fig. 6065.....	3 50
" Brigg's, Fig. 6080.....	3 50
" Fisher's, Fig. 6072.....	2 00
" Hall's, Fig. 6085.....	2 25
" Henry's	2 75
" Knox', Fig. 6078	2 75
" Levis', Fig. 6063	2 00
" Ricord's, Fig. 6069.....	2 25
" Rogers', Fig. 6075.....	2 25
" Skillern's, Fig. 6066.....	1 85
" Tortat's, Fig. 6091.....	2 00
Prepuce, Girdner's.....	2 00



MALE URETHRAL AND BLADDER INSTRUMENTS.

FORCEPS, Prepuce, Hutchinson's, Fig. 6196.....	\$ 1 75
Urethral, Alligator, straight, Fig. 6159.....	4 00
" " Mathieu's, curved, Fig. 6157.....	4 50
" Collins', Fig. 6194.....	4 00
" Pithas', Fig. 6154.....	1 60
" Thompson's, Fig. 6155.....	1 50
FOREIGN BODY INSTRUMENT, Collins', Fig. 5964.....	15 00
GAUGE, Metal, French and English scales.....	3 00
GORGET, Bush's, Fig. 6019.....	3 40
Dowell's, and staff.....	4 25
Hooked.....	2 25
Keyes'.....	1 85
Ordinary, blunt, Fig. 6034.....	1 85
Physick's, 2 blade.....	4 85
Teal's.....	1 90
GUIDES, Catheter, Keyes'.....	60
Dolbeau's, lithotomy.....	2 65
Gouley's, whalebone, 1 foot long, Fig. 5902, 25c.; 20 inches long.....	45
Otis', prostatic, for introducing soft rubber catheters, Fig. 5833.....	75
IRRIGATOR Lydston's, Fig. 5951.....	1 25
KNIFE, Fossal stricture, Piffard's.....	1 90
Urethral, Thompson's.....	1 35
LAMP, Bumstead's.....	2 40
LITHOCLAST, Dolbeau's, Fig. 6167.....	5 25
Gouley's, double lever, Fig. 6168.....	6 00
LITHOTOME, Brigg's.....	5 25
Hutchinson's.....	5 25
LITHOTRITES, Vesical, Bigelow's, latest, Fig. 6347.....	25 00
Vesical, Civiale's.....	18 75
" Gouley's.....	26 25
" Ferguson's.....	18 75
" Reliquet's, Fig. 6351.....	25 00
" Thompson's, Fig. 6349.....	22 50
" Teevan's.....	26 25
MEATOSCOPES. See Endoscopes.	
MEATOMETER, Piffard's, Fig. 5892.....	85
MEATOTOME, Civiale's.....	3 75
Gouley's, Fig. 6037.....	2 25
Lydston's, Fig. 6027.....	1 50
Otis', Fig. 6013.....	1 30
Piffard's.....	1 00
NEEDLE, cocaine, Wyeth's.....	1 00
Varicocele, Keyes', Fig. 5946, \$1.00; improved, Fig. 5944.....	4 50
" Whitfield's, Fig. 5942.....	1 00
" White's, subcutaneous, Fig. 5943.....	3 00
NOZZLE, for irrigator, Kiefer's, Fig. 5791.....	75
Syringe, Lydston's, with 2 tips, Fig. 5951.....	1 25
" Otis', Fig. 5949.....	75



MALE URETHRAL AND BLADDER INSTRUMENTS.

SOUNDS, Straight	\$0 75
Van Buren's, Nos. 2 to 20, English scale, Fig. 5816.....	60
" " 21 to 25 "	75
" set of 16, Nos. 2, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17,	
18, in velvet lined, leather-covered case.....	11 00
Van Buren's, set of 12, Nos. 2, 4, 6, 8, 10, 11, 12, 13, 14, 15, 16, 18, in	
velvet lined, leather covered case.....	8 50
Van Buren's, set of 8, Nos. 4, 6, 8, 10, 12, 14, 16, 18, in velvet-lined,	
leather-covered case, Fig. 5873.....	6 00
Van Buren's, cupped, for ointments, Fig. 5898.....	1 25
Weiss, with ruled staff, Fig. 5890.....	75
" set of 12 in case, Fig. 5863.....	4 00
SPECULUMS. See also Endoscopes.	
Bivalve, Skeen's, Fig. 5921.....	1 85
Bennett's, Fig. 6060.....	5 00
Brown's, Fig. 5922.....	3 35
Caro's.....	1 25
Glass, silvered, Fig. 5935.....	50
Otis', Fig. 5918.....	1 00
Skeen-Folsom's, Fig. 5932.....	1 00
Pratt's, steel, Fig. 5924.....	2 50
Smith's, Fig. 5923.....	2 50
Sampson's, Fig. 5928.....	2 00
Sims', pattern, Fig. 5926.....	4 00
Skene's, Fig. 5921.....	1 90
Stein's, set 4, Fig. 5930.....	3 00
Zaufel's, Fig. 5919	3 50
SPERMATORRHEA RING, Fig. 5933.....	50
STAFF Lithotomy, Buck's.....	2 25
" Lateral.....	1 50
" Little's, Fig. 5969.....	1 50
" Markoe's, Fig. 5967.....	1 50
" Rectangular, Buchanan's	1 50
" Steel, plain, Fig. 5973.....	1 35
" Straight, female.....	1 25
" Syme's.....	1 50
" Wood's, Fig. 5971.....	1 75
STERILIZER for catheters, Fig. 5787.....	2 50
STOP-COCK, Van Buren's, hard rubber, Fig. 6368.....	75
Van Buren's, metal.....	1 50
STRICTURE CUTTERS. See Urethrotomes.	
SYRINGES, all kinds, piston and bulb. See page 721.	
Bladder, Peck's, Fig. 6366.....	2 00
Bumstead's, graduated glass barrel, Fig. 5938.....	1 85
Catheter, Bigelow's, Fig. 5835.....	3 00
" Otis'.....	2 00
" Parker's (Dick's).....	2 60
" Guyon's, deep urethral, in case, Fig. 5941.....	4 00



MALE URETHRAL AND BLADDER INSTRUMENTS.

SYRINGES, Hydrocele, Fig. 6390.	\$1 75
“ and bladder, Peck's, Fig. 6366.	1 85

This is the invention of the late W. F. Peck, M. D., of Davenport, Iowa, and is a valuable instrument in treating diseases of the bladder as well as Hydrocele. It has a rubber stop-cock at each end, so that an indefinite quantity of fluid can be injected or exhausted without detaching the instrument.

Keyes'-Ultzman's, silver, Fig. 5736.	4 00
Ultzman's, silver, Fig. 5940.	3 00
Van Buren's, complete, Fig. 6368.	3 50
Waechter's.	3 50
TENACULUM, Gouley's.	1 15
TROCAR AND CANULA, curved, Fig. 6210.	1 50
Getz', in case, Fig. 6200.	6 40
Nested, Truax's, set of three, Fig. 6208.	2 75
“ set of four, Fig. 6204.	3 50
Reversible, metal handle, Fig. 6212.	1 00
Scoop, metal handle, Fig. 6206.	1 00
TUBE, EVACUATING, Keyes', Fig. 6343.	6 00
URETHROTOMES, Baxter's, Fig. 6316.	2 50
Bumstead's—Maisonneuve's.	10 50
Bromley's, Fig. 6228.	12 00
Charriere's, Fig. 6273.	9 00
Civiale's.	10 50
Gouley's, dilating, Fig. 6267.	11 25
Gerster's, in case, Fig. 6304.	20 00
Gross', straight, Fig. 6265.	3 50
“ curved, Fig. 6265.	3 50
“ exploratory (retrograde), Fig. 6341.	5 00
Hunter's.	26 25
Kinloch's, Fig. 6271.	18 75
Lionhardt's, Fig. 6234.	7 00
Maisonneuve's, in case.	9 00
Nall's, Fig. 6245.	30 00
Otis', curved, in case, Fig. 6241.	20 00
“ straight, in case, Fig. 6247.	20 00
Peter's.	4 50
Roger's, Fig. 6301.	30 00
Teevan's.	9 00
Walker's, Fig. 6243.	26 25
Wyeth's, in case, Fig. 6277.	20 00
URETHROMETER, Otis', spring, Fig. 6307.	12 50
Otis', hinged, latest pattern, Fig. 6338.	13 50
Weir's.	13 50
Rubber covers, same. doz	1 50
URINAL, for extrophy of the bladder, silver cup, Fig. 6392.	\$18 00 to 50 00
WASHER, for bladder, Wigmore's.	75
WEDGE, Hunter's, filamentous.	55

HAS **TRUAX** & **GREENE** & CO.

PHYSICAL DIAGNOSIS—URINARY.

TRUAX, GREENE & CO'S IMPROVED URINE TEST CASE.

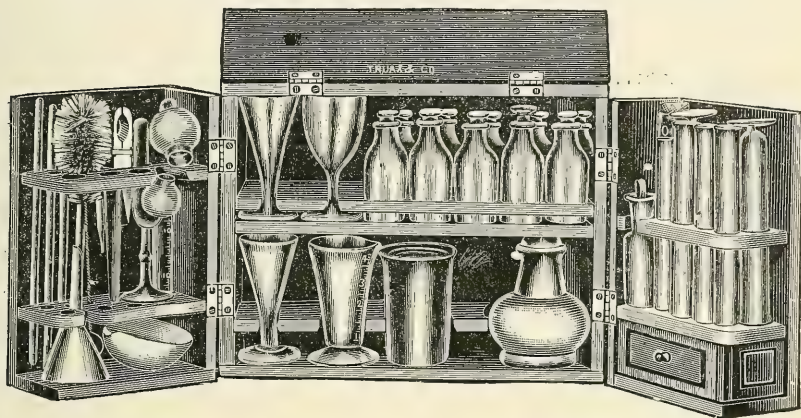


Fig. 1927. Truax, Greene & Co's Improved Urine Test Case, \$15.00.

This case contains:

- 1 Einhorn's saccharometer, with directions.
- 1 ureometer, with directions.
- 1 Esbach's albuminometer, with directions.
- 1 thermometer (not self-registering).
- 1 best urinometer, with graduated jar.
- 2 conical test glasses.
- 1 wine Collamore glass.
- 3 stirring rods.
- 1 dozen test tubes.
- 2 test tubes on foot.
- 1 test tube holder; 1 test tube swab.
- 1 set beakers, 2 to 6 ounces.
- 1 graduate, 1 oz.
- 1 drop bottle.
- 1 pair brass forceps.
- 1 glass funnel.
- 1 alcohol lamp.
- 1 porcelain evaporating dish.
- 3 small glass evaporating dishes.
- 1 folding wire tripod.
- 1 graduated pipette.
- 8 re-agent bottles (7 of them filled).
- 2 wide mouth glass stoppered bottles.
- 2 small glass stoppered vials.
- 6 filter papers.
- 1 book red litmus paper, and 1 book blue litmus paper. 1 book on urinary analysis.

All contained in an upright folding case as shown in the above illustration.

This case is very compact and furnishes a complete assortment of appliances for urinary analysis as now used by most scientists in this country and in Europe. The new patterns of albuminometers, ureometers and saccharometers will, we think, find a place as standard instruments beside the urinometer and thermometer. The cases are made of hardwood, well polished, and, whether closed or open, present a handsome appearance. Customers ordering this case will get only the best of apparatus, each article being of extra good quality.



COMPARATIVE SCALES OR GAUGES.

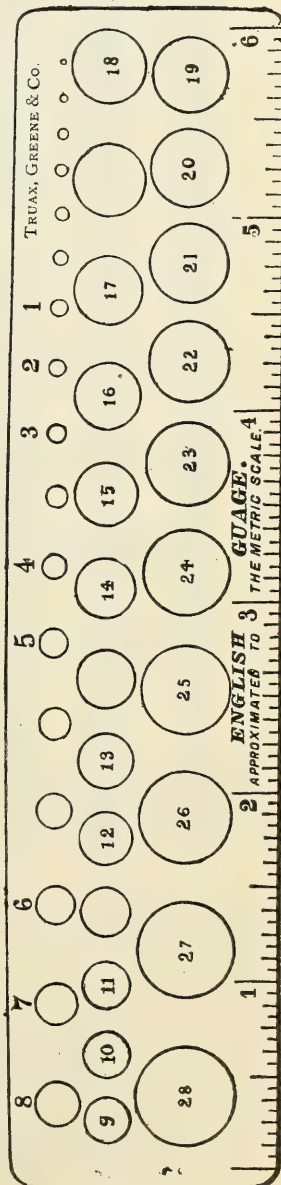
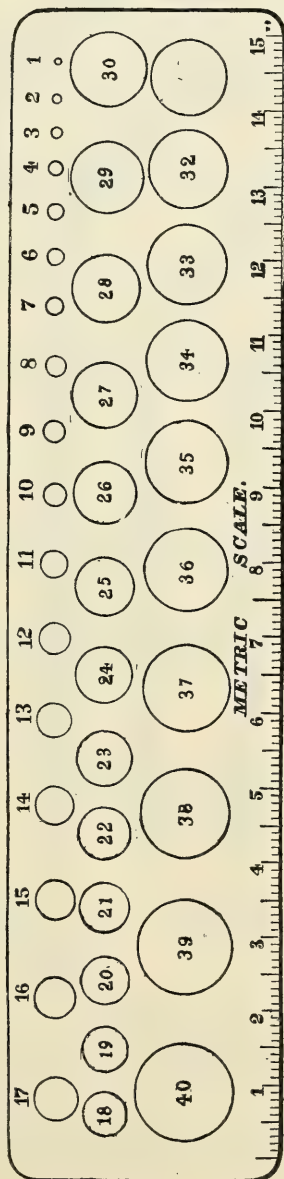
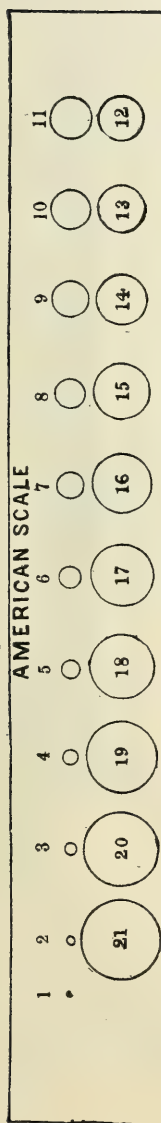
Diameters in Millimeters.	American or Van Buren & Keyes' Gauge.	French Gauge. (Used by Otis.)	English Gauge.
$\frac{1}{8}$	—	1	—
$\frac{1}{4}$	1	2	—
$\frac{3}{8}$	—	3	—
1	2	4	—
$1\frac{1}{8}$	—	5	—
$1\frac{1}{4}$	3	6	—
$1\frac{3}{8}$	—	7	—
2	4	8	—
$2\frac{1}{8}$	—	9	—
$2\frac{1}{4}$	5	10	—
$2\frac{3}{8}$	—	11	—
3	6	12	—
$3\frac{1}{8}$	—	13	—
$3\frac{1}{4}$	7	14	—
$3\frac{3}{8}$	—	15	—
4	8	16	—
$4\frac{1}{8}$	—	17	—
$4\frac{1}{4}$	9	18	—
$4\frac{3}{8}$	—	19	—
5	10	20	—
$5\frac{1}{8}$	—	21	—
$5\frac{1}{4}$	11	22	—
$5\frac{3}{8}$	—	23	—
6	12	24	—
$6\frac{1}{8}$	—	25	—
$6\frac{1}{4}$	13	26	—
$6\frac{3}{8}$	—	27	—
7	14	28	—
$7\frac{1}{8}$	—	29	—
$7\frac{1}{4}$	15	30	—
$7\frac{3}{8}$	—	31	—
8	16	32	—
$8\frac{1}{8}$	—	33	—
$8\frac{1}{4}$	17	34	—
$8\frac{3}{8}$	—	35	—
9	18	36	—
$9\frac{1}{8}$	—	37	—
$9\frac{1}{4}$	19	38	—
$9\frac{3}{8}$	—	39	—
10	20	40	—
$10\frac{1}{8}$	—	—	—
$10\frac{1}{4}$	21	—	—
$10\frac{3}{8}$	—	—	—
11	22	—	—
$11\frac{1}{8}$	—	—	—
$11\frac{1}{4}$	23	—	—
$11\frac{3}{8}$	—	—	—
12	24	—	—
$12\frac{1}{8}$	—	—	—
$12\frac{1}{4}$	25	—	—
$12\frac{3}{8}$	—	—	—
13	26	—	—
$13\frac{1}{8}$	—	—	—

Since the issue of our price list, 5th edition, (1890) we have used the American gauge in filling orders, excepting in cases where some other was specified. Customers in completing sets of instruments, or who have been ordering from other standards should carefully note the above comparison. The American scale advances by one-half millimeters, while the French advances by one-thirds; an instrument therefore that is nine millimeters in diameter is No. 18 American, and 27 French. The English scale is not a regularly graduated one, is not based on any standard, and varies with different makers and authors. Approximate scale cards sent on application.



URETHRAL INSTRUMENTS.

APPROXIMATE SIZES OF GAUGES.





J. ELLWOOD LEE CO'S CATHETERS.

WOVEN EYE SILK CATHETER—Satin Finish.

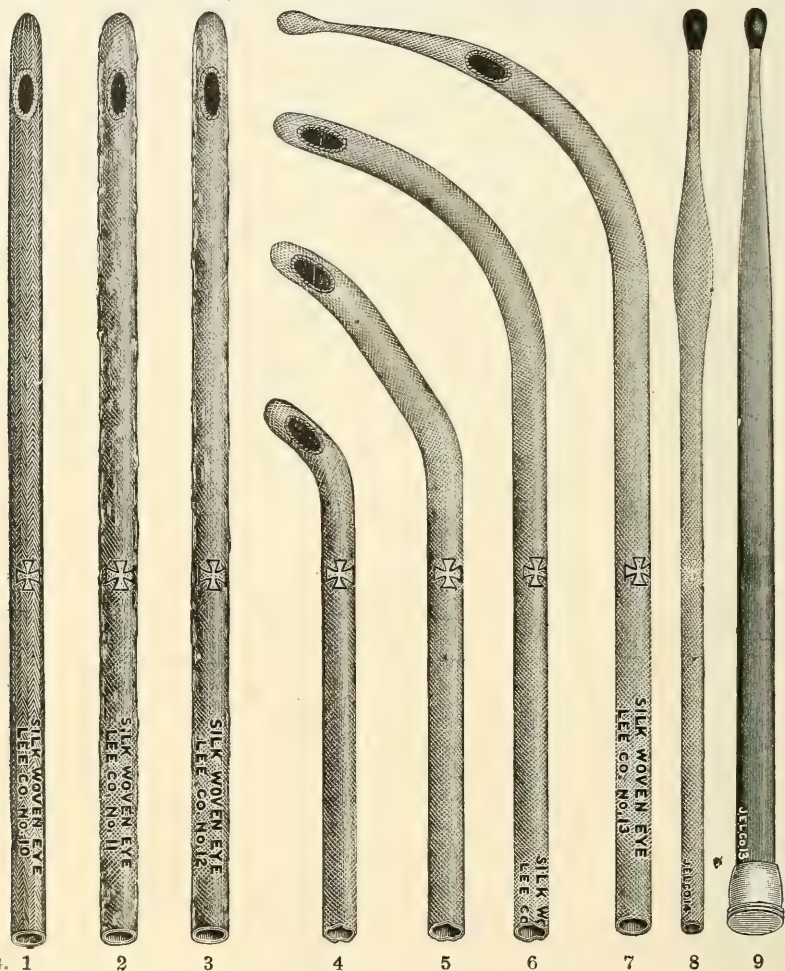


FIG. 1 2 3 4 5 6 7 8 9

FINEST QUALITY EVER PRODUCED.

2195. Cylindrical Woven Eye Silk Catheters.	each, \$	85
2196. Mercier	Fig. 4	1 01
2196a. Double Mercier.	Fig. 5	1 03
2197. Olivary		90
2198. Prostatic Cyl.	Fig. 6	1 00
2199. "Oly.	Fig. 7	1 00

The above are made in 8 sizes, from No. 8 to 15, American scale, inclusive. Fig. 1 represents the completion of the 1st stage, 3 weeks after Braiding the Web; it also shows the selvage all around the eye. Fig. 2 represents the completion of 2nd stage, 7 weeks after Braiding. Fig. 3 represents the completion of 3d stage, 10 to 11 weeks after Braiding. The 4th and last stage takes place in from 12 to 15 weeks after Braiding.

These Catheters are handled from two to six times daily during the entire time consumed in their manufacture. They are carefully watched over at every period, and are thoroughly seasoned. In fact, from experience and comparison with all the best grades of other makers, we can guarantee these Silk Catheters superior in quality and wear to any similar goods.

OFFICE AND FACTORY, CONSHOHOCKEN, PA., U. S. A.



MALE URETHRAL AND BLADDER INSTRUMENTS.



Fig. 5720. Drainage Catheter, 75c. See page 1392.

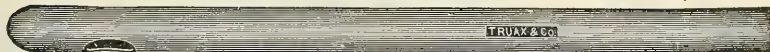


Fig. 5721. Cylindrical Web Catheter, 35c. See page 1392.

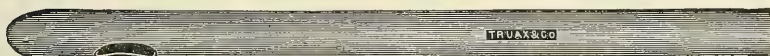


Fig. 5723. Cylindrical Silk Web Catheter, 65c. See page 1393.

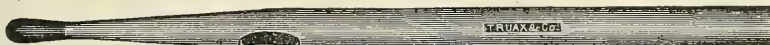


Fig. 5725. Olive Tip Web Catheter, 40c. to 75c. See page 1392.



Fig. 5727. Conical Web Catheter, 40c. See page 1392.



Fig. 5730. Rat Tail Catheter, 65c. See page 1392.



Fig. 5731. Olive Tip, Web Bougies, 40c. See page 1391.



Fig. 5733. Bellied Bougie, 60c. See page 1391.



Fig. 5735. Mercier's Single Elbow (Coudee) Catheter, 50 to 85c. See page 1392.



Fig. 5737. Bougie, a boule, 50c. See page 1391.

Fig. 5739. Mercier's Double Elbow (Bicoudee) Catheter, 65c. See p. 1392.

Fig. 5741. Prostatic Web Catheter, 50c. See page 1393.

HAS **TRUAX** **GREENE** & CO.

MALE URETHRAL AND BLADDER INSTRUMENTS.



Fig. 5780. Curved or Straight Elm Bougies, doz. \$2.00. See page 1391.

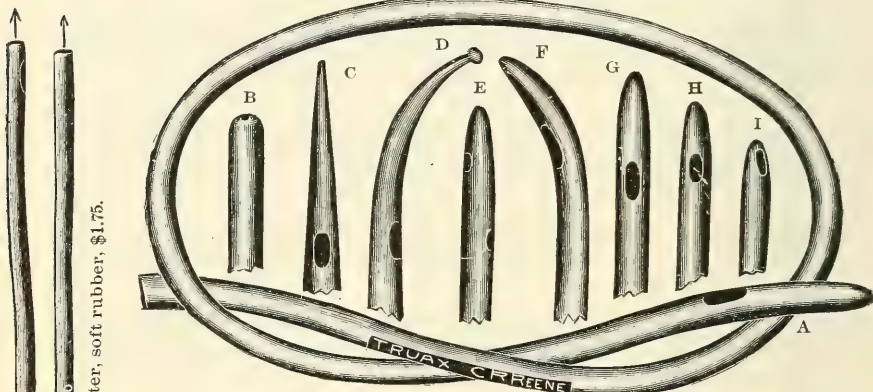


Fig. 5783. Soft Rubber Catheters, 50c. to \$1.00. See page 1392.

Fig. 5794. Marcy's Double Current Catheter, soft rubber, \$1.75.

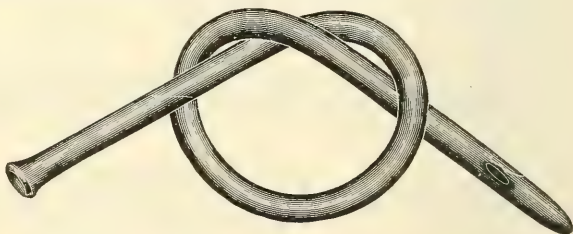


Fig. 5785. Nelaton's Soft Rubber Catheters, each, 25c, doz. \$2.50. See page 1392.

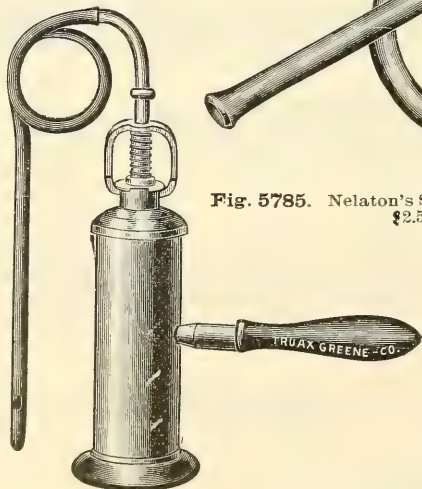


Fig. 5787. Sterilizer for Catheters, \$2.50. See page 1393.

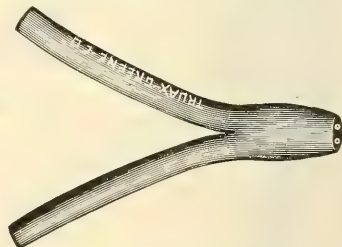


Fig. 5791. Kiefer's Nozzle, 75c. See page 1395.



Fig. 5792. Bougie and Catheter Box, papier mache, 75c. See page 1392.



All of our metallic catheters have Prof. Gross' improved solid Aseptible Catheter end.



MALE URETHRAL AND BLADDER INSTRUMENTS.

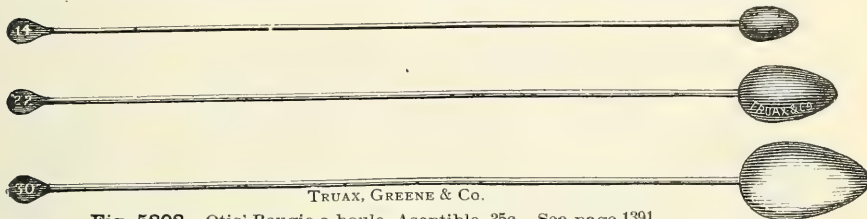


Fig. 5808. Otis' Bougie a boule, Aseptible, 35c. See page 1391.

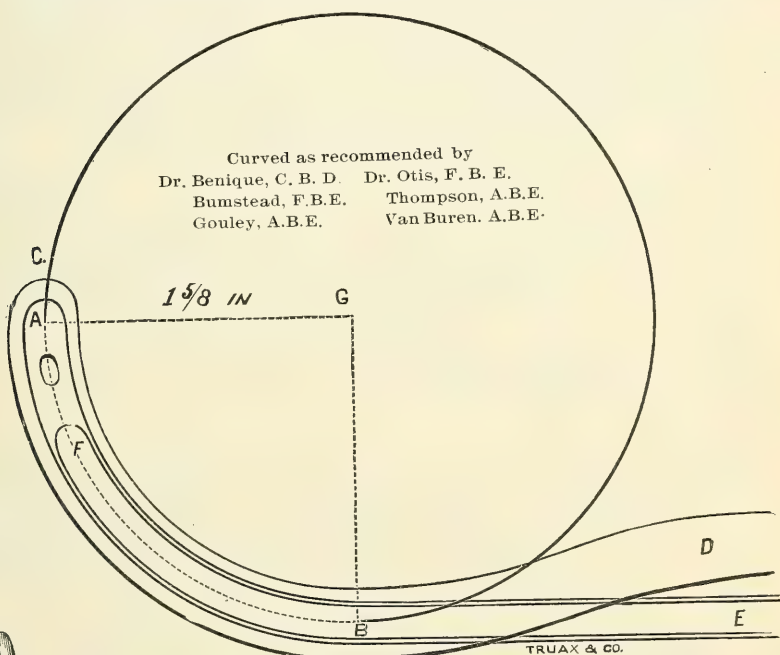


Fig. 5810. Curves of Unyielding Urethral Instruments.



Fig. 5816. Van Buren's Sound, Aseptible, 60c. See page 1397.



Fig. 5818. Lister's Olive Pointed Sounds, Aseptible, 75c. See page 1396.

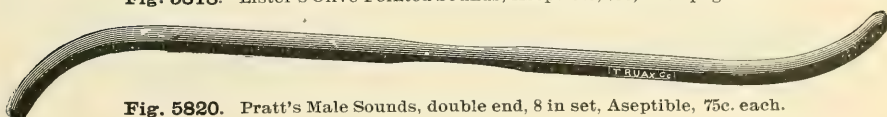


Fig. 5820. Pratt's Male Sounds, double end, 8 in set, Aseptible, 75c. each.



MALE URETHRAL AND BLADDER INSTRUMENTS.



Fig. 5831. Gross' Spiral Catheter, 75c.; jointed, \$1.00. See page 1392

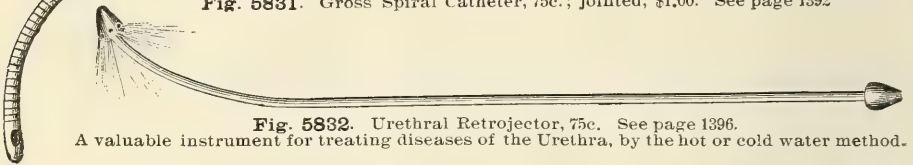


Fig. 5832. Urethral Retrojector, 75c. See page 1396.
A valuable instrument for treating diseases of the Urethra, by the hot or cold water method.



Fig. 5833. Otis' Prostatic Guide, 75c. See page 1395.



Fig. 5835. Bigelow's Syringe Catheter, \$3.00. See page 1392.



Fig. 5836. Prostatic Catheter, plated, 90c.; silver, \$1.75 to \$2.50.

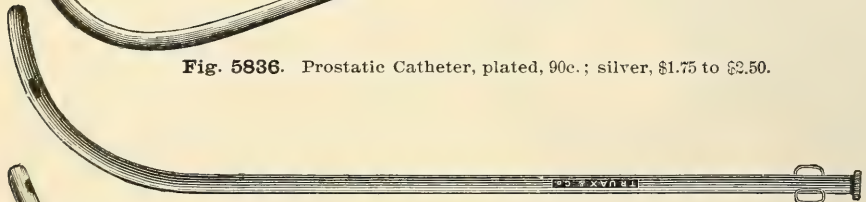


Fig. 5839. Male Catheter, metal, block tin, flexible, 75c.; plated, 65c.; silver, \$1.10 to \$2.75. See page 1392.

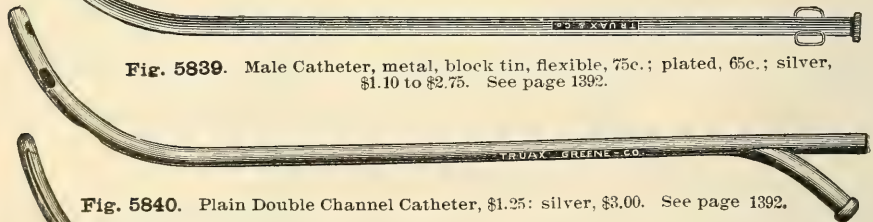


Fig. 5840. Plain Double Channel Catheter, \$1.25; silver, \$3.00. See page 1392.

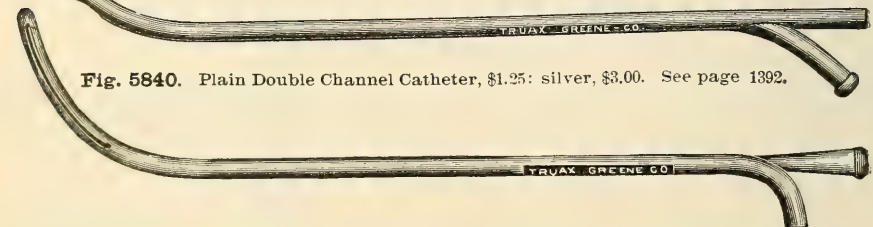


Fig. 5844. Nott's Double Channel Catheter, plated, \$1.25; silver, \$3.00. See page 1392.



Fig. 5848. Mussey's Bladder Curette, \$2.25. See page 1393.

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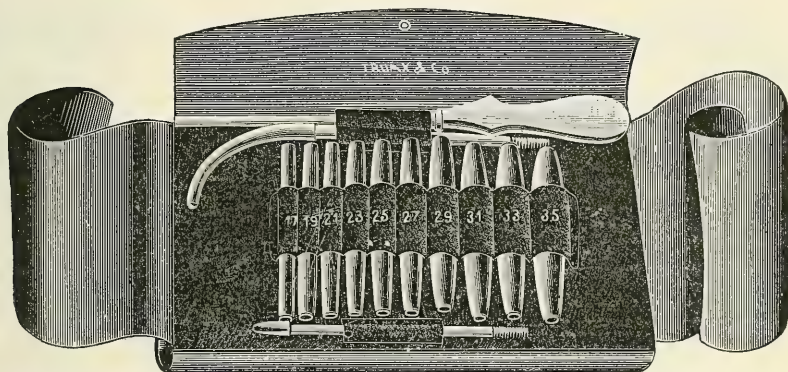


Fig. 5862. Rhodes' Pocket Set of Curved and Straight Sounds, in case, \$7.50. See page 1396.

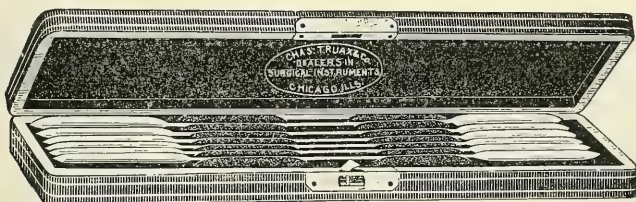


Fig. 5863. Weiss' Straight Sounds, set of 12, Aseptible, in case, \$4.00. See page 1397.

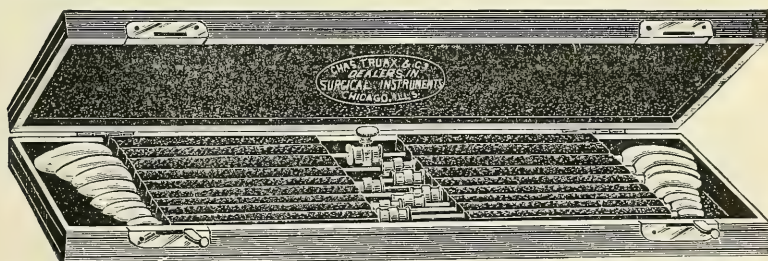


Fig. 5866. Fowler's Modification of Otis' Bougies, set 16 in case, \$5.00. See page 1391.

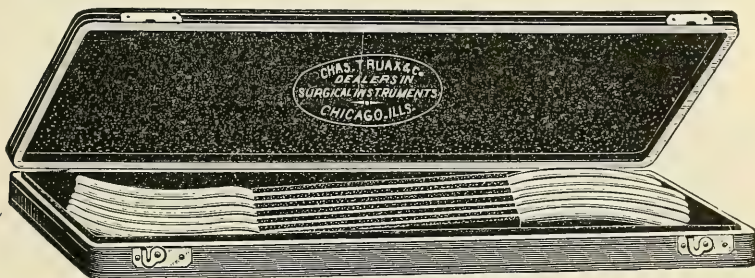


Fig. 5868. Fowler's Curved Sounds, Aseptible, set of 12. in case, \$5.00. See page 1396.



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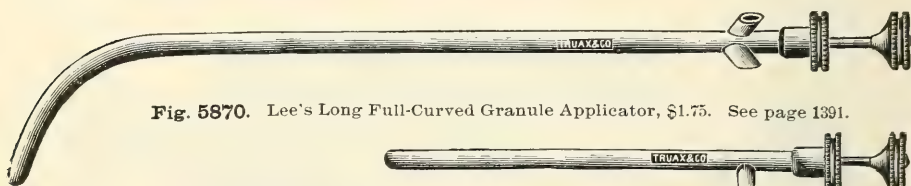


Fig. 5870. Lee's Long Full-Curved Granule Applicator, \$1.75. See page 1391.

Fig. 5871. Lee's short Granule Applicator, \$1.00. See page 1391.

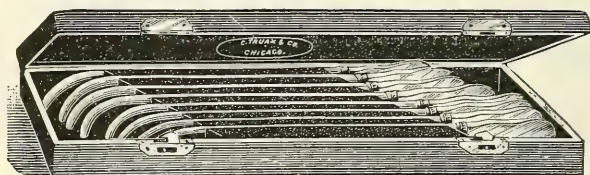


Fig. 5873. Van Buren's Sounds, set of 8, in case, Aseptible, \$6.00. See page 1397.

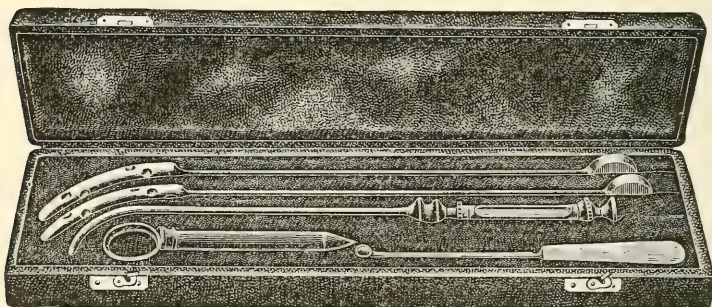


Fig. 5875. A. E. Rockey's Gonorrhoea Case, complete, \$10.00.

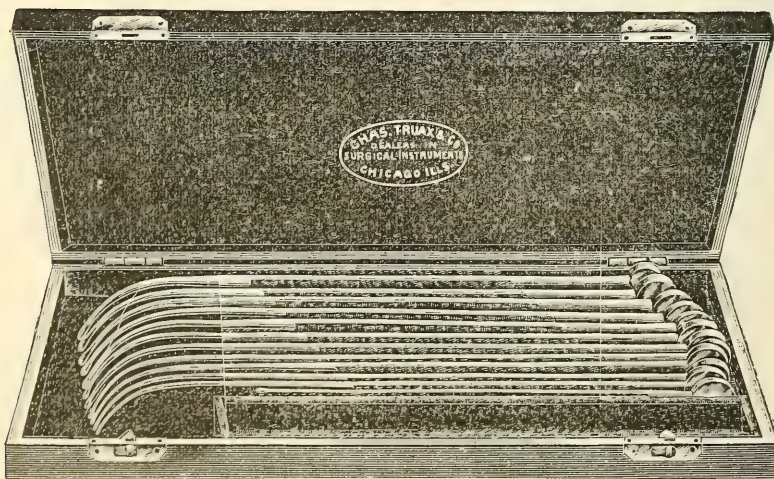


Fig. 5881. Sir Joseph Lister's Set of Sounds, 13 in case, Aseptible, \$10.00. See page 1396.

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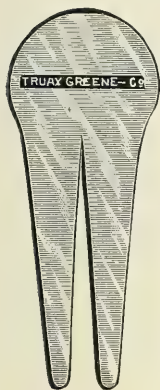


Fig. 5900. Plain Phimosia Clamp, Aseptible, 50c. See page 1393.



Fig. 5899. Weiss' Bougie a boule, Ruled Staff, Aseptible, 75c. See page 1391.

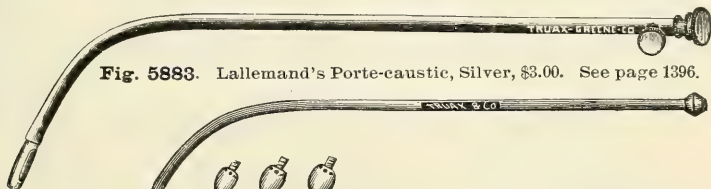


Fig. 5883. Lallemand's Porte-caustic, Silver, \$3.00. See page 1396.



Fig. 5885. E. H. Pratt's Retrojector or Urethral Washer, \$1.75. See page 1396.

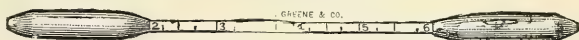


Fig. 5890. Weiss' Sound, Ruled Staff, 75c. See page 1397.

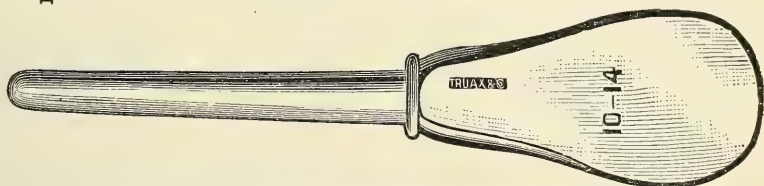


Fig. 5891. Piffard's Fossal Sound, Aseptible, 75c. See page 1396.

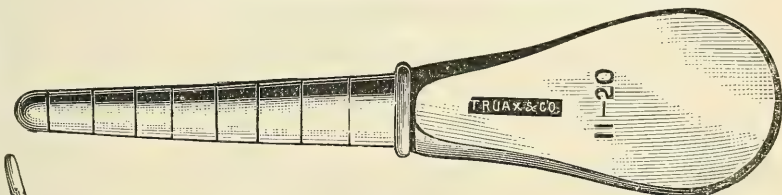


Fig. 5892. Piffard's Meatometer, Aseptible, 85c. See page 1395.



Fig. 5896. Hale's Sound for treating involuntary emissions, Aseptible, \$1.25. See page 1396.



Fig. 5894. A. E. Rockey's Urethral Curette, \$2.25.



Fig. 5898. Van Buren's Cupped Sound, Aseptible, \$1.25. See page 1397.



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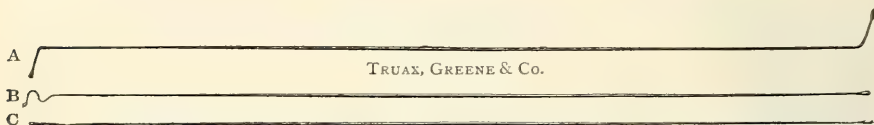


Fig. 5902. Gouley's Guides, A, 40c.; B, 25c.; C, 20c. See page 1395.



Fig. 5904. Whalebone Filiform Bougies, 15c. to 40c. See page 1391.

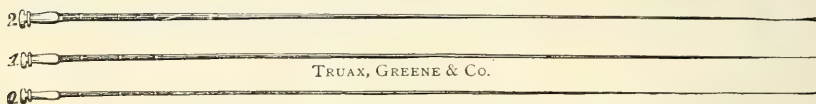


Fig. 5906. Web Filiform Bougies, 50c. See page 1391.

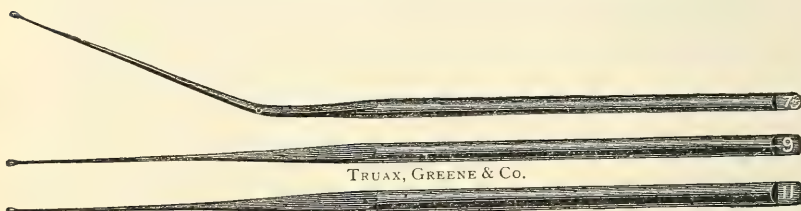


Fig. 5908. Banks' Whalebone Bougies, 65c. See page 1391.



Fig. 5911. Thompson's Stone Searcher, \$2.50 See page 1396.

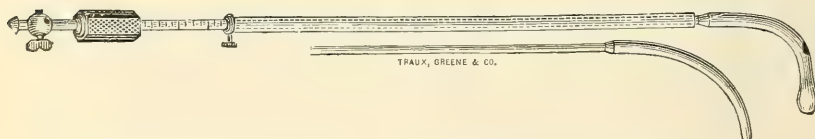


Fig. 5913. Otis' Exploring Sound or Stone Searcher, \$4.00. See page 1396.

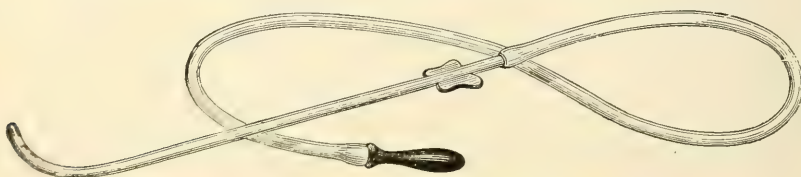


Fig. 5916. Andrews' Searcher, for stone, \$1.25. See page 1396.

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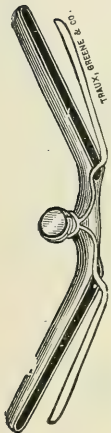


Fig. 5921. Skene's Urethral Speculum, \$1.90.



Fig. 5920. Weir's Endoscope, Aseptible, \$1.00. See page 1394.

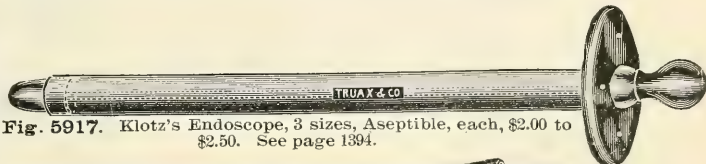


Fig. 5917. Klotz's Endoscope, 3 sizes, Aseptible, each, \$2.00 to \$2.50. See page 1394.



Fig. 5918. Otis' Endoscope, Aseptible, \$1.00. See page 1394.

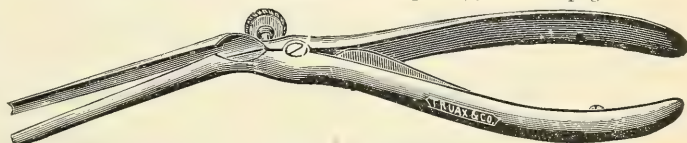


Fig. 5924. Pratt's Urethral Speculum, \$2.50.

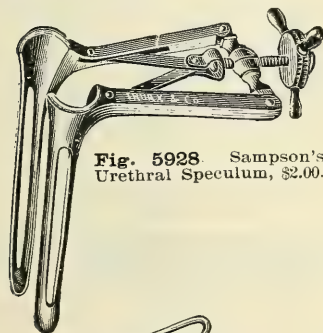


Fig. 5928. Sampson's Urethral Speculum, \$2.00.

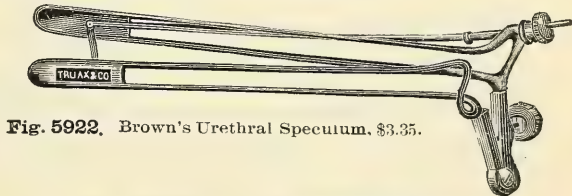


Fig. 5922. Brown's Urethral Speculum, \$3.35.

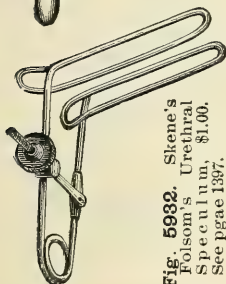


Fig. 5932. Skene's Folsom's Urethral Speculum, \$1.00. See page 1397.

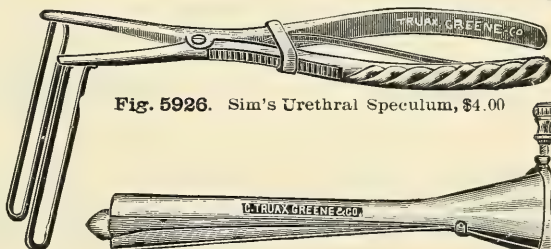


Fig. 5926. Sim's Urethral Speculum, \$4.00.

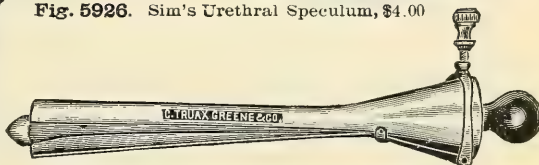


Fig. 5919. Zaufel's Urethral Speculum, \$3.50.



Fig. 5930. Stein's Specula, set of 4, Aseptible, \$3.00.

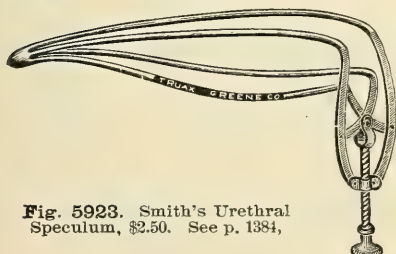


Fig. 5923. Smith's Urethral Speculum, \$2.50. See p. 1384.

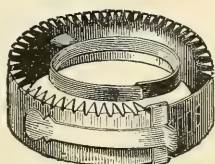


Fig. 5933. Spermatorrhoea Ring, 50c. See page 1397.

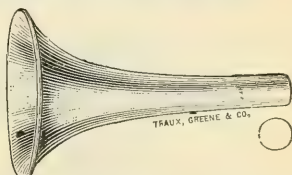


Fig. 5935. Plain Meatoscope, 35c.

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Fig. 5936. Keyes'-Ultzman's Urethral Syringe, \$4.00. See page 1398.



Fig. 5938. Bumstead's Urethral Syringe, \$1.85. See page 1397.

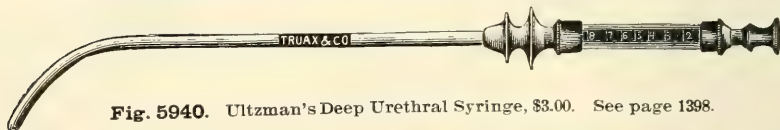


Fig. 5940. Ultzman's Deep Urethral Syringe, \$3.00. See page 1398.

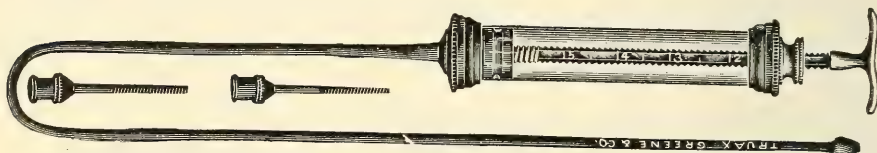


Fig. 5941. Guyon's Deep Urethral Syringe, in case, \$4.00. See page 1397.



Fig. 5942. Whitefield's Varicocele Needle, \$1.00. See page 1395.



Fig. 5943. White's Subcutaneous Varicocele Needle, Aseptible, \$3.00. See page 1395.



Fig. 5944. Keyes' Improved Varicocele Needle, \$4.50. See page 1395.



Fig. 5946. Keyes' Plain Varicocele Needle, Aseptible, \$1.00. See page 1395.

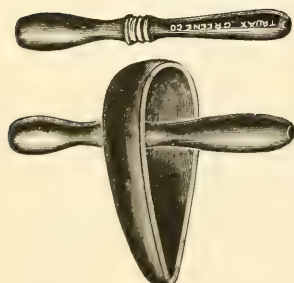


Fig. 5951. Lydston's Urethral Irrigator, \$1.25.



Fig. 5947. Piffard's Bougie a boule, Aseptible. See page 1391



Fig. 5949. Otis' Syringe Nozzle, 75c. See page 1395.



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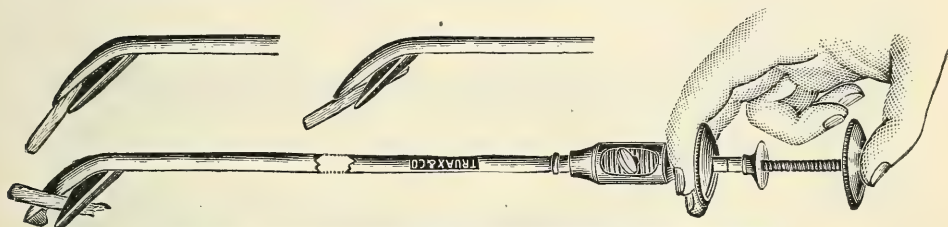


Fig. 5964. Collin's Foreign Body Instrument, \$15.00 See page 1395.

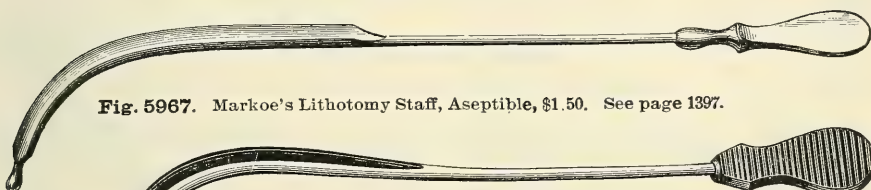


Fig. 5967. Markoe's Lithotomy Staff, Aseptible, \$1.50. See page 1397.

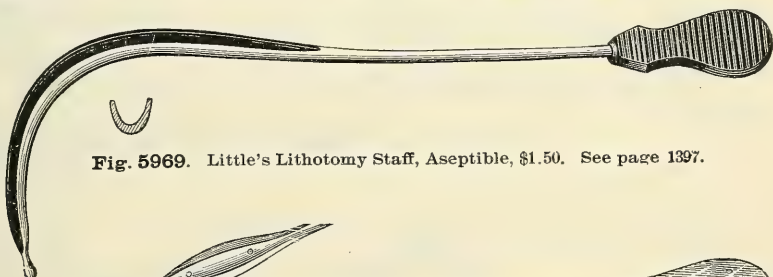


Fig. 5969. Little's Lithotomy Staff, Aseptible, \$1.50. See page 1397.

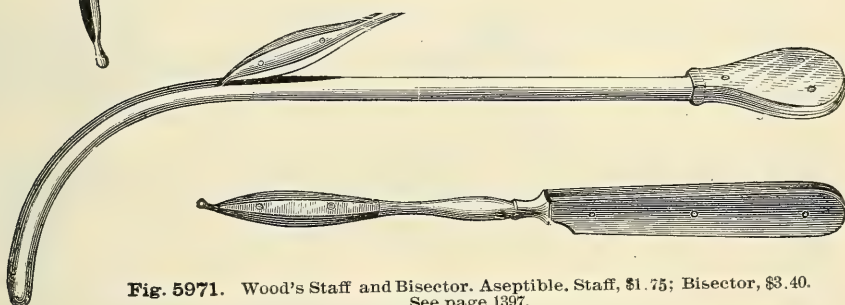


Fig. 5971. Wood's Staff and Bisector. Aseptible. Staff, \$1.75; Bisector, \$3.40. See page 1397.

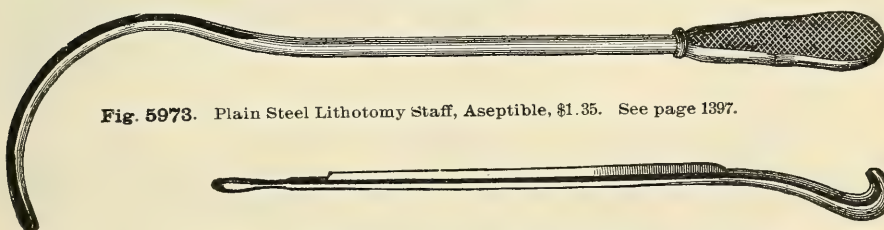


Fig. 5973. Plain Steel Lithotomy Staff, Aseptible, \$1.35. See page 1397.

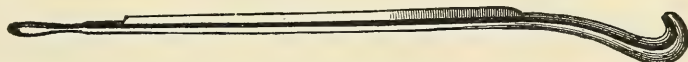


Fig. 5975. Lithotomy Scoop and Conductor, Aseptible, \$1.75. See page 1396.



Fig. 5977. Luer's Lithotomy Scoop, Aseptible, \$1.85. See page 1396.



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Fig. 6037. Gouley's Meatotome, \$2.25. See p. 1395.



Fig. 6001. Sharp Pointed Lithotomy Scalpel, Aseptible, \$1.25. See page 1396.



Fig. 6004. Probe Pointed Lithotomy Scalpel, Aseptible, \$1.25. See page 1396.



Fig. 6007. Little's Lithotomy Bistoury, \$1.15. See page 1391.



Fig. 6010. Blizzard's Probe Pointed Bistoury, Aseptible, \$1.25. See page 1391.



Fig. 6013. Otis' Meatotome, Aseptible, \$1.30. See page 1395.

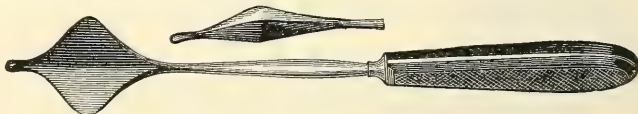


Fig. 6019. Bush's Gorget, \$3.40. See page 1395.

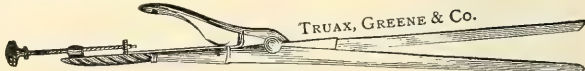


Fig. 6022. Civiale's Bistoury Cache, \$2.50. See page 1391.



Fig. 6025. Keyes' Supra-Pubic Drainage Tube, \$1.90. See page 1394.



Fig. 6027. Lydston's Meatotome, Aseptible, \$1.50. See page 1395.



Fig. 6029. A. E. Rocky's Urethral Scoop, Aseptible, \$1.50.



Fig. 6034. Blunt Gorget, \$1.85. See page 1395.

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Fig. 6066. Skiller n's Phimosi Forcep, \$1.85. See p. 1395.



Fig. 6091. Tortat's Phimosi Forcep, \$2.00. See p. 1395.

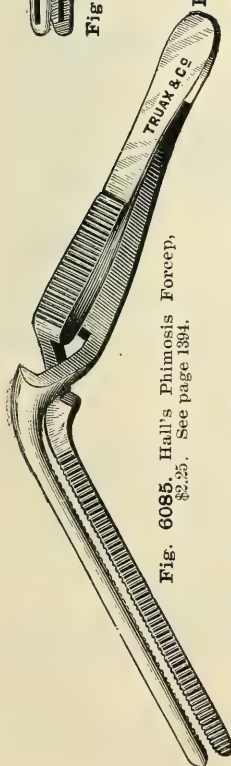


Fig. 6085. Hall's Phimosi Forcep, \$2.25. See page 1394.

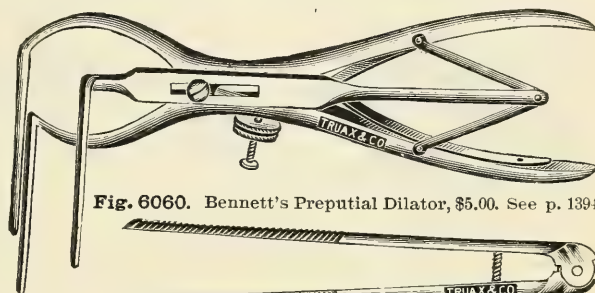


Fig. 6060. Bennett's Preputial Dilator, \$5.00. See p. 1394.

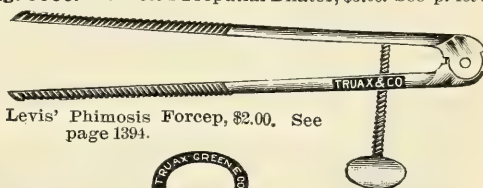


Fig. 6063. Levis' Phimosi Forcep, \$2.00. See page 1394.

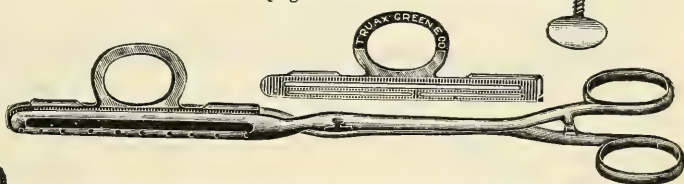


Fig. 6065. Aubry's Phimosi Forcep, Aseptible, \$3.50. See page 1394.



Fig. 6069. Ricord's Phimosi Forcep, Aseptible, \$2.25. See page 1395.



Fig. 6072. Fisher's Phimosi Forcep, \$2.00. See page 1394.

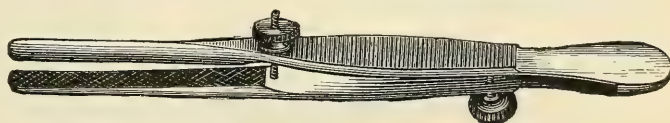


Fig. 6075. Roger's Phimosi Forcep, \$2.25. See page 1395.



Fig. 6078. Knox' Phimosi Forcep, \$2.75. See page 1395.



Fig. 6080. Brigg's Phimosi Forcep, \$3.50. See page 1394.



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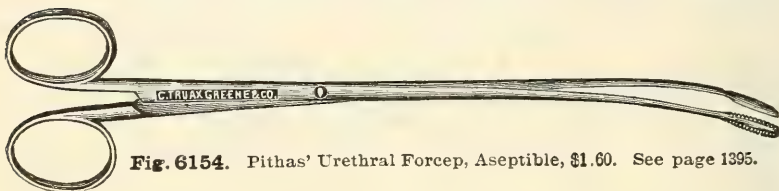


Fig. 6154. Pithas' Urethral Forcep, Aseptible, \$1.60. See page 1395.

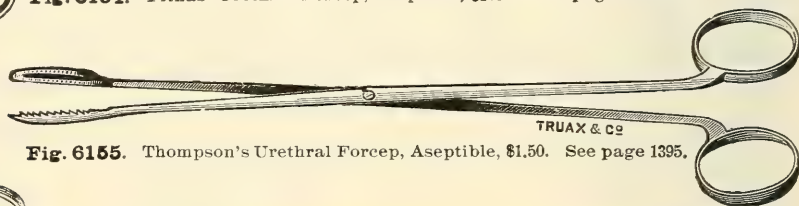


Fig. 6155. Thompson's Urethral Forcep, Aseptible, \$1.50. See page 1395.



Fig. 6159. Alligator Urethral Forcep, straight, \$4.00. See page 1395.

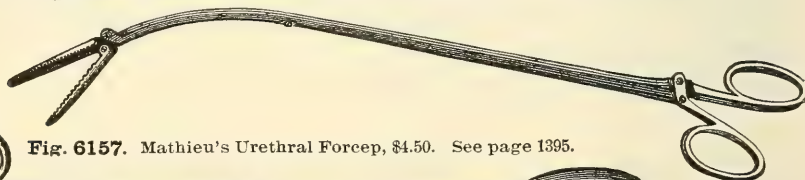


Fig. 6157. Mathieu's Urethral Forcep, \$4.50. See page 1395.

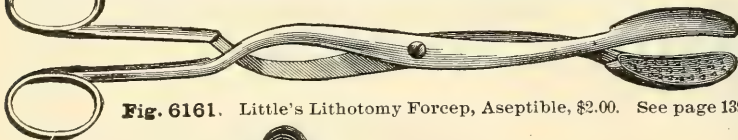


Fig. 6161. Little's Lithotomy Forcep, Aseptible, \$2.00. See page 1394.

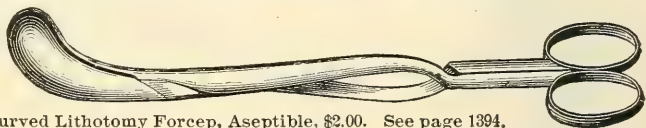


Fig. 6163. Curved Lithotomy Forcep, Aseptible, \$2.00. See page 1394.

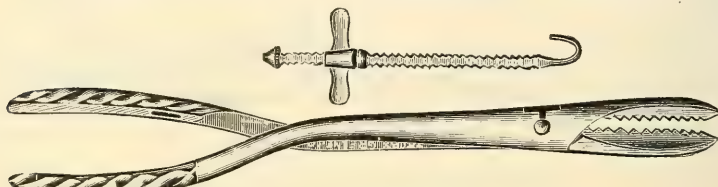


Fig. 6167. Dolbeau's Lithoclast, Aseptible, \$5.25. See page 1395.

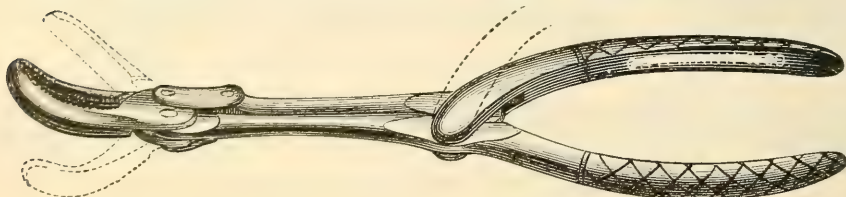


Fig. 6168 Gouley's Double Lever Lithoclast, \$6.00. See page 1395.

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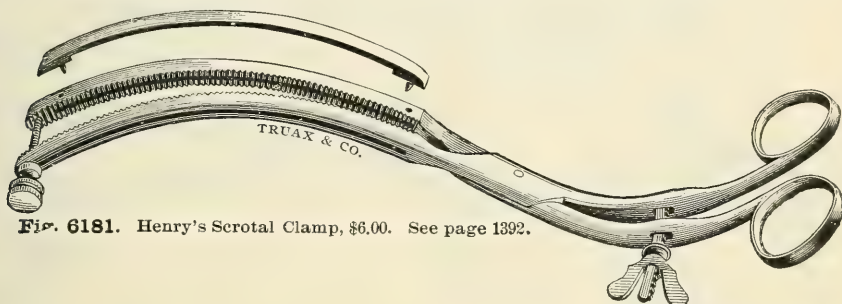


Fig. 6181. Henry's Scrotal Clamp, \$6.00. See page 1392.

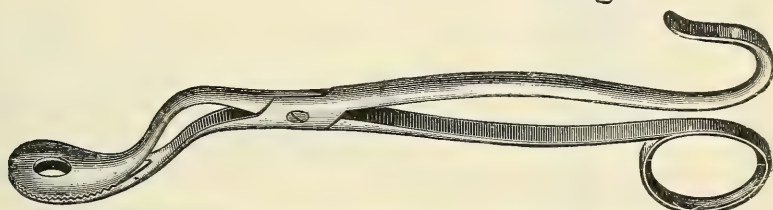


Fig. 6183. Thompson's Bayonet Bladder Forcep, Aseptible, \$3.75. See page 1394.

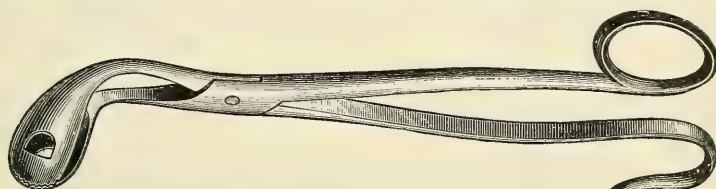


Fig. 6185. Thompson's Curved Bladder Forcep, Aseptible, \$3.75. See page 1394.

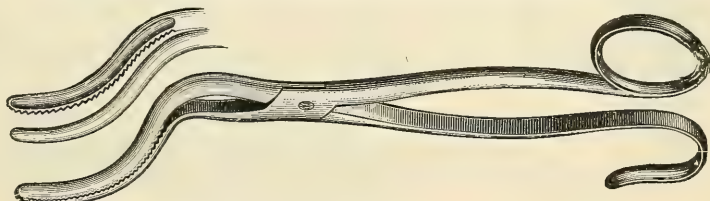


Fig. 6187. Thompson's Double Curved Bladder Forcep, Aseptible, \$3.75. See page 1394.

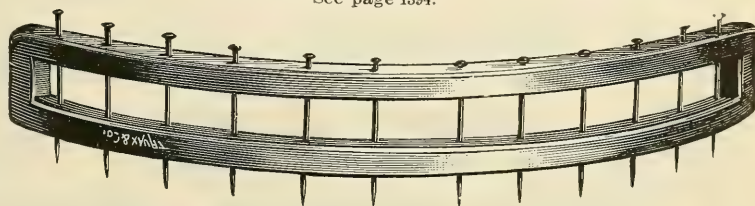


Fig. 6192. Andrews' Varicocele Clamp, \$4.00. See page 1392.

The skin of the Scrotum is drawn through the slot to the proper distance and retained by the pins. It is then cut off outside the clamp, the vessels tied, sutured and released by withdrawing the pins.



Fig. 6194. Collins' Urethral Forcep, \$4.00. See page 1395.

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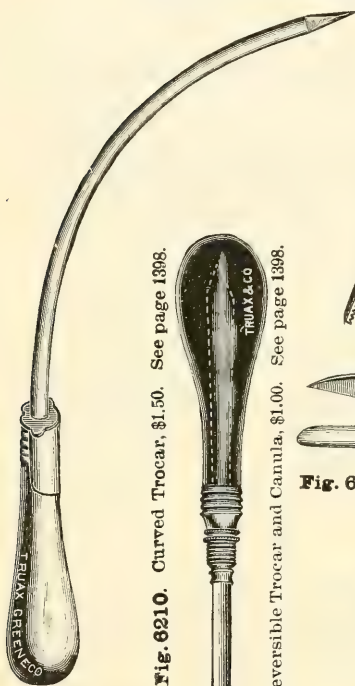


Fig. 6210. Curved Trocar, \$1.50. See page 1398.



Fig. 6212. Reversible Trocar and Canula, \$1.00. See page 1398.

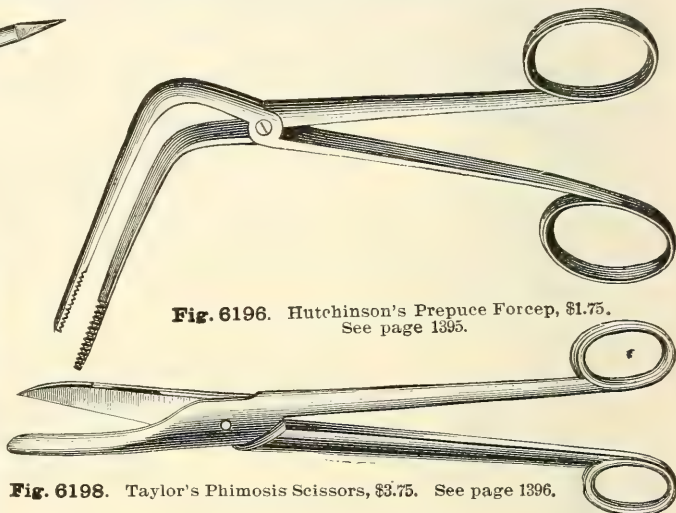


Fig. 6196. Hutchinson's Prepuce Forcep, \$1.75. See page 1395.

Fig. 6198. Taylor's Phimosis Scissors, \$3.75. See page 1396.

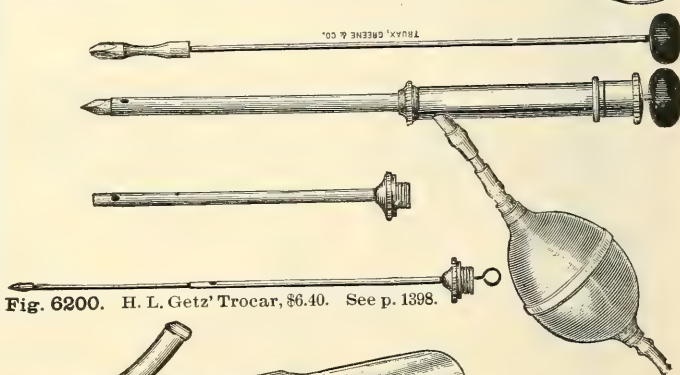


Fig. 6200. H. L. Getz' Trocar, \$6.40. See p. 1398.

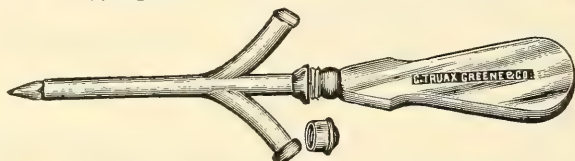


Fig. 6202. Kreiger's Trocar and Canula, \$2.25.



Fig. 6204. Nested Trocars, set of four, \$3.50. See page 1398.



Fig. 6206. Trocar and Canula, with scoop, \$1.00. See page 1398.

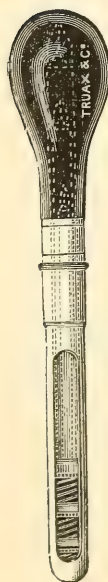


Fig. 6208. Truax's Nested Trocars, set of three, \$2.75. See page 1398.



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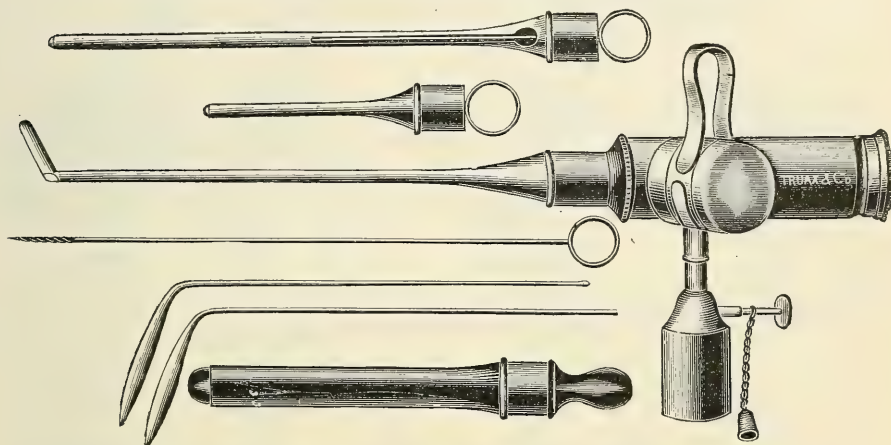


Fig. 6214. Desormeau's Endoscope, complete with lamp, in case, \$35.00. See page 1394.

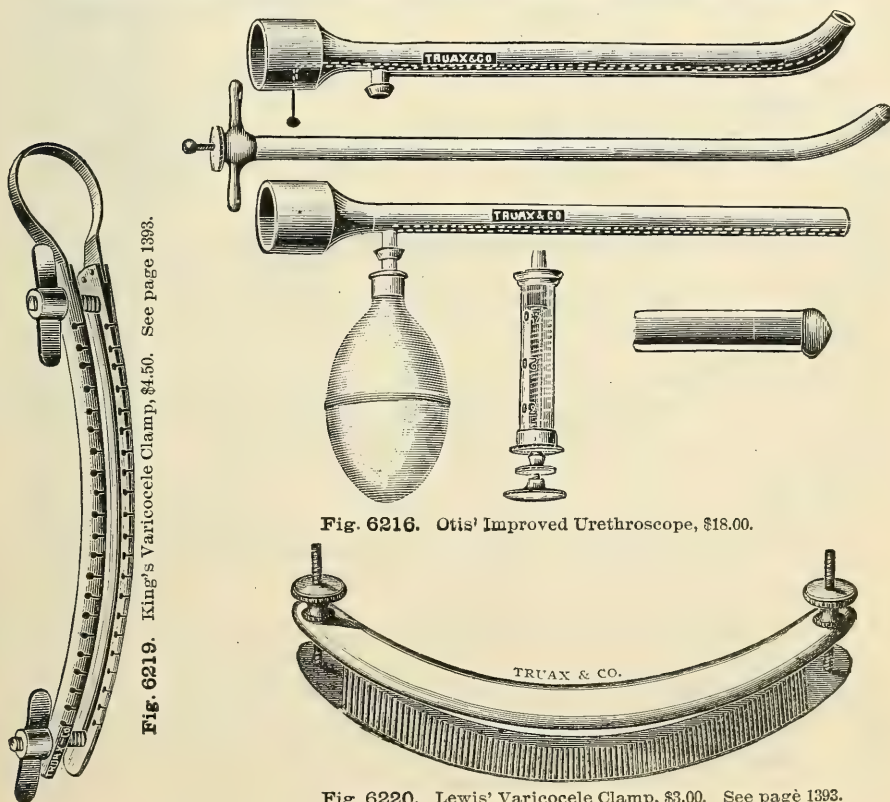


Fig. 6216. Otis' Improved Urethroscope, \$18.00.

Fig. 6219. King's Varicocele Clamp, \$4.50. See page 1393.



Fig. 6220. Lewis' Varicocele Clamp, \$3.00. See page 1393.

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MALE URETHRAL AND BLADDER INSTRUMENTS.

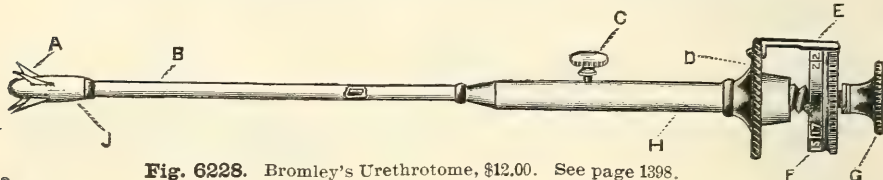


Fig. 6228. Bromley's Urethrotome, \$12.00. See page 1398.

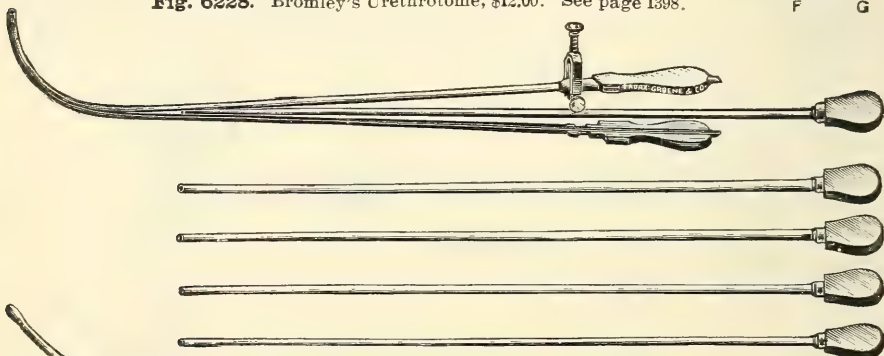


Fig. 6230. Holt's Urethral Dilator, \$13.50. See page 1394.



Fig. 6232. Thomas' Divulser, \$9.00.



Fig. 6234. Lienhardt's Urethrotome, \$7.00. See page 1398.

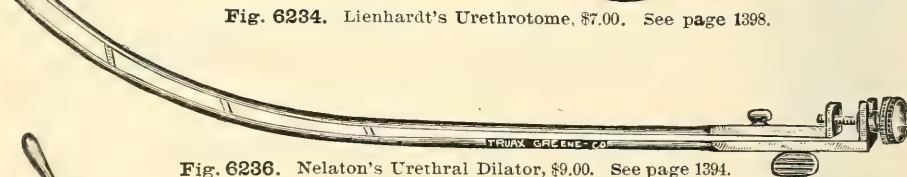


Fig. 6236. Nelaton's Urethral Dilator, \$9.00. See page 1394.

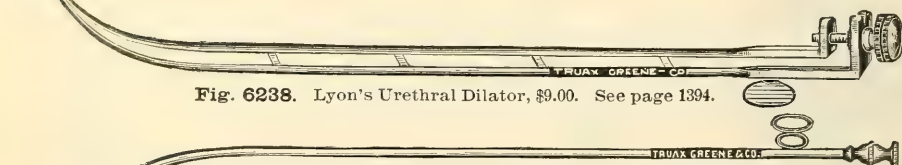


Fig. 6238. Lyon's Urethral Dilator, \$9.00. See page 1394.

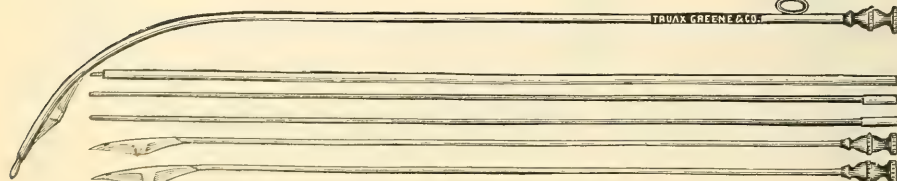


Fig. 6240. Maisonneuve's Urethrotome, in case, \$9.00. See page 1398.

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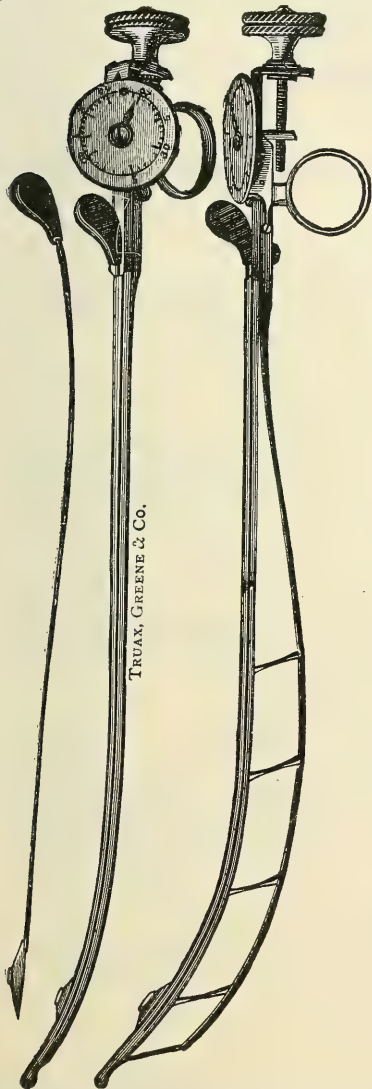


Fig. 6241. Otis' Curved Urethrotome, \$20.00. See page 1398.

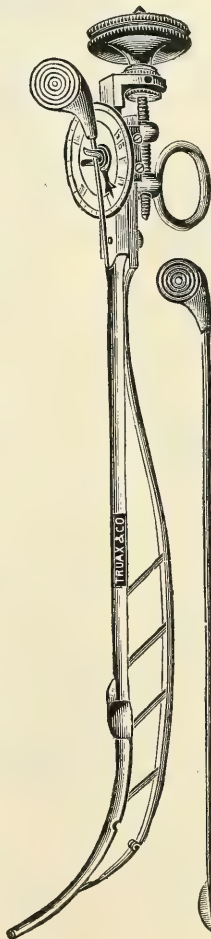


Fig. 6243. Walker's Urethrotome, \$25.25. See page 1398.



Fig. 6245. Nall's Urethrotome, \$30.00. See page 1398.



Fig. 6247. Otis' Straight Urethrotome, \$20.00. See page 1398.

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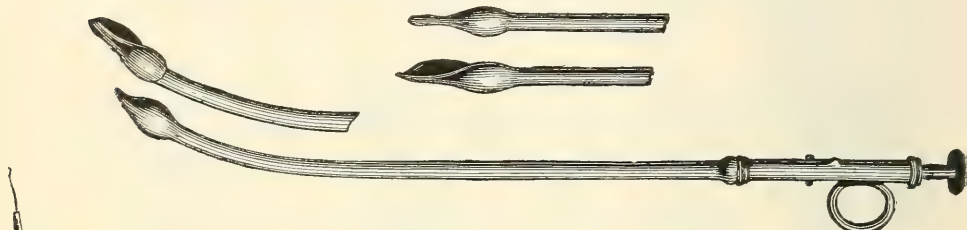


Fig. 6265. Gross' Straight or Curved Urethrotome, \$3.50. See page 1398.



Fig. 6267. Gouley's Dilating Urethrotome, \$11.25. See page 1398.

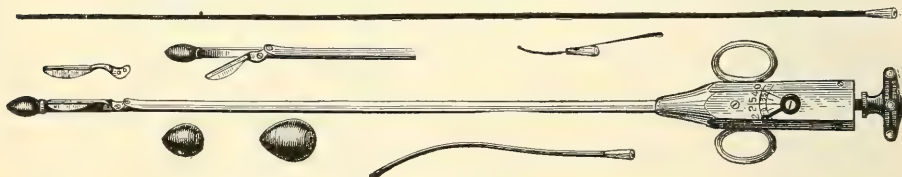


Fig. 6271. Kinlock's Urethrotome, \$18.75. See page 1398.

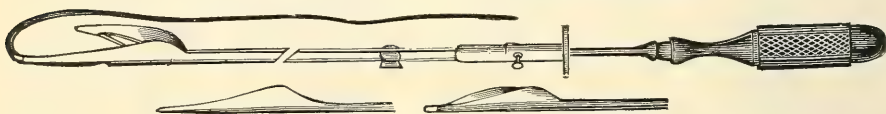


Fig. 6273. Charriere's Urethrotome, \$9.00. See page 1398.

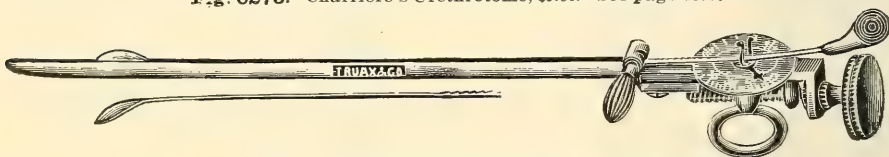


Fig. 6277. Wyeth's Urethrotome, \$20.00. See page 1398.

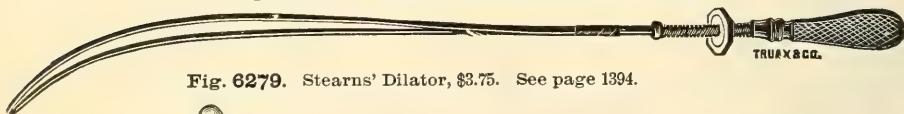


Fig. 6279. Stearns' Dilator, \$3.75. See page 1394.

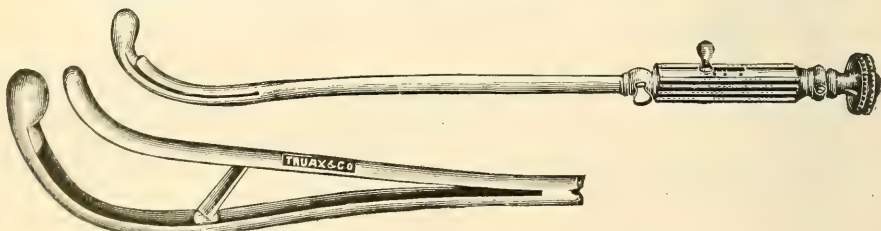


Fig. 6283. Gouley's Prostatic Gland Dilator, \$12.00. See page 1393.

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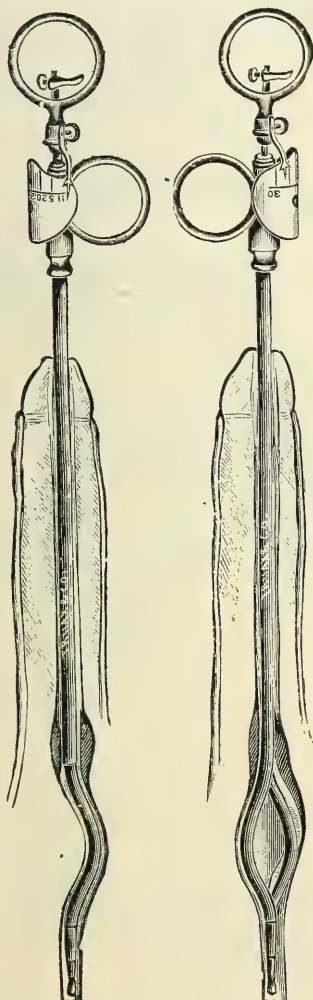


Fig. 6301. Rogers' Dilating Urethrotome, \$30.00. See page 1395.



Fig. 6304. Gerster's Aseptible Urethrotome, \$20.00

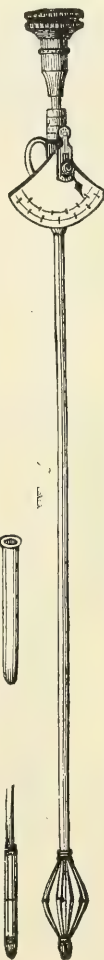


Fig. 6307. Otis' Original Urethrometer (Spring), \$12.50. See page 1398.

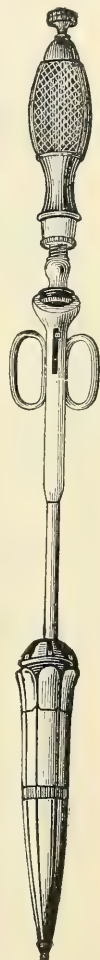


Fig. 6310. Dolbeau's Dilator, \$18.00. See page 1393.



Fig. 6313. Gouley's Dilator, \$7.50. See page 1394.



Fig. 6316. Baxter's Stricture Cutter, Aseptible, \$2.50. See page 1398.

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Fig. 6338. Otis' Hinged Urethrometer, \$13.50. See page 1398.



Fig. 6341. Gross exploratory Urethrotome (Retrograde), \$5.00. See page 1398.

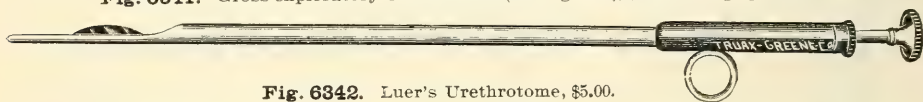


Fig. 6342. Luer's Urethrotome, \$5.00.



Fig. 6343. Keyes' Straight Evacuating Tube, with Obturator, \$6.00.

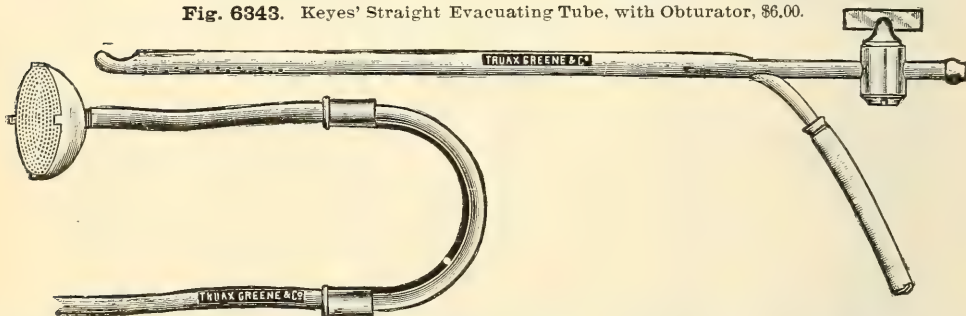


Fig. 6345. Andrew's Double Channel Evacuator for Litholopaxy, with Syphon Strainer. Price with 2 Evacuating Tubes, \$15.00. The warm carbolized water is carried through one channel sweeping the crushed calculi out through the other.



Fig. 6347. Bigelow's Lithotrite latest pattern, \$25.00. See page 1395.

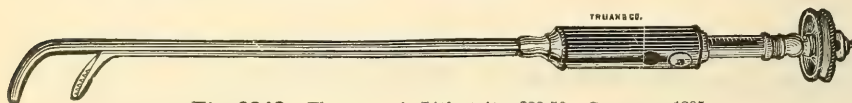


Fig. 6349. Thompson's Lithotrite, \$22.50. See page 1395.

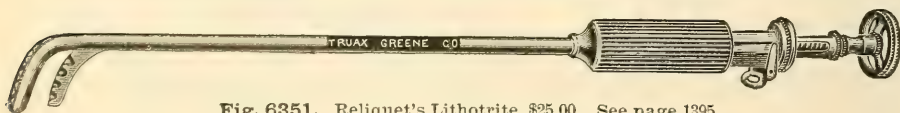


Fig. 6351. Reliquet's Lithotrite, \$25.00. See page 1395.



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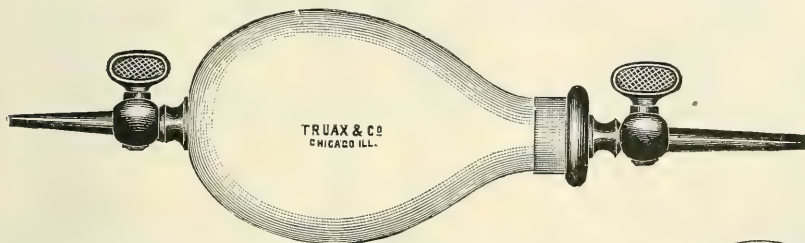


Fig. 6366. Peck's Bladder Syringe, \$1.85. See page 1397.

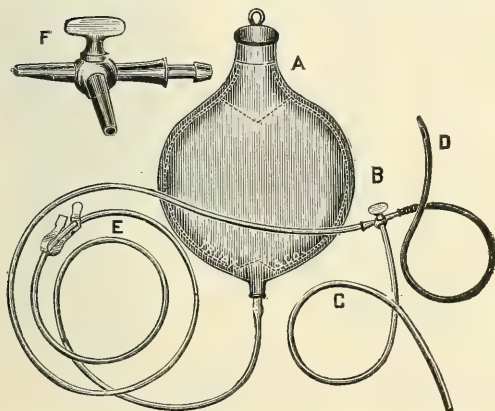


Fig. 6368. Van Buren's Syringe for washing out the bladder, with stop-cock and 2 catheters, \$3.00. See page 1398.

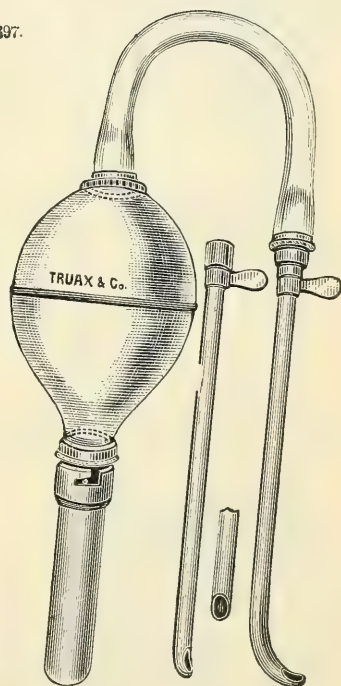


Fig. 6372. Bigelow's Original Evacuating Apparatus, \$12.00. See page 1394.

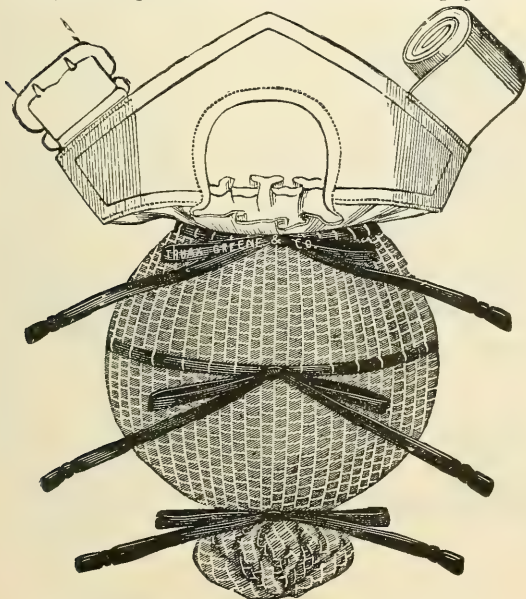
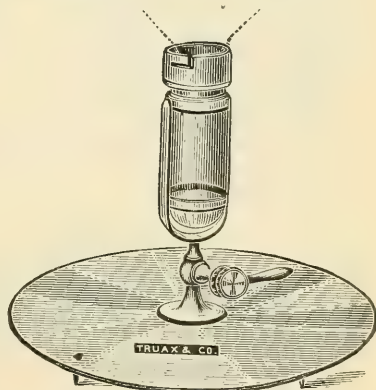


Fig. 6370. Miliano's Varicocele Compressor, \$1.25. See page 1393.



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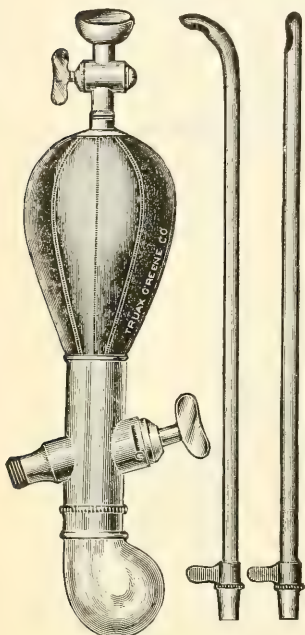


Fig. 6382. Thompson's Latest Evacuating Apparatus, \$20.00. See page 1394.



Fig. 6384. Bigelow's Latest Evacuating Apparatus, \$20.00. See page 1394.

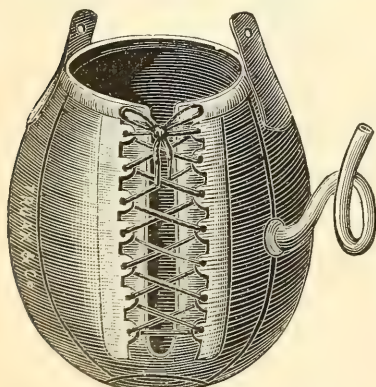
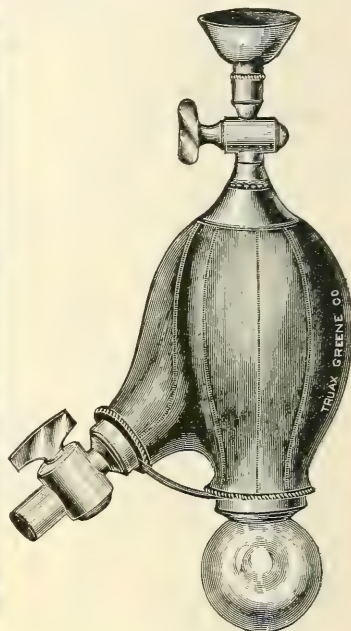


Fig. 6386. Hawes' Compressor, \$2.25. See page 1393.

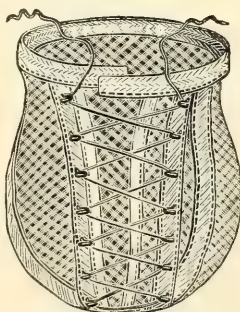


Fig. 6389. Carroll's Compressor, \$1.00. See p. 1393

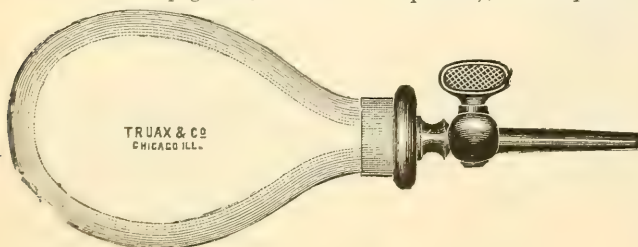


Fig. 6390. Hydrocele Syringe, \$1.75. See page 1398.

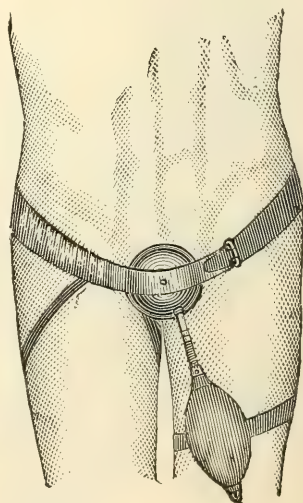


Fig. 6392. Urinal for Extrophy of Bladder, \$18.00 to \$50.00. See page 1398.



MALE URETHRAL AND BLADDER INSTRUMENTS.



Fig. 6402. Nitze's Cystoscope No. 1, \$37.50.

This instrument is for examination of the anterior wall of the bladder.

Of the numerous modern instruments devised for intra-bladder examination and diagnosis, the Cystoscope of Nitze is one of the latest. In the hands of the expert it is without parallel, and stands conspicuously to the front as a new departure of mark in diagnostic aids. It belongs peculiarly to the present era which has been productive of many ingeniously devised instruments of diagnosis.

In the department of genito-urinary surgery the Cystoscope is practically indispensable.

The Cystoscope consists of a bent tube about the size and contour of a lithotrite. At the distal (point of bent part) end of the instrument, an electric lamp is placed and protected by a thick window of rock crystal. A prism is inserted at the concavity (Fig. 6402) or convexity (Fig. 6404) of the elbow of the instrument. By the aid of the Cystoscope from 50 to 150 square centimeters (according to the distance of the instrument from illuminated part) may be brought very distinctly into view.



Fig. 6404. Nitze's Cystoscope, No. 4, \$37.50.

This instrument is for examination of the posterior wall and base of the bladder.



Fig. 6407. Nitze's Cystoscope No. 3, \$60.00.

This instrument is for examination of the anterior wall of the bladder, and is furnished with a double channel for the filling and evacuating of the bladder as desired during examination. The changing of the water keeps the lamp cool when the examination is a prolonged one.

The bladder should contain from 5 to 8 ozs. of clear water when under examination through the Cystoscope, which should be lubricated with vaseline before introduction.

A Cystoscope must not be left burning for any length of time in the open air, as it would be liable to become overheated and injure the insulation around the base of the lamp.

The Cystoscope Lamp requires a current of about 8 volts and 1.3 amperes



MALE URETHRAL AND BLADDER INSTRUMENTS.

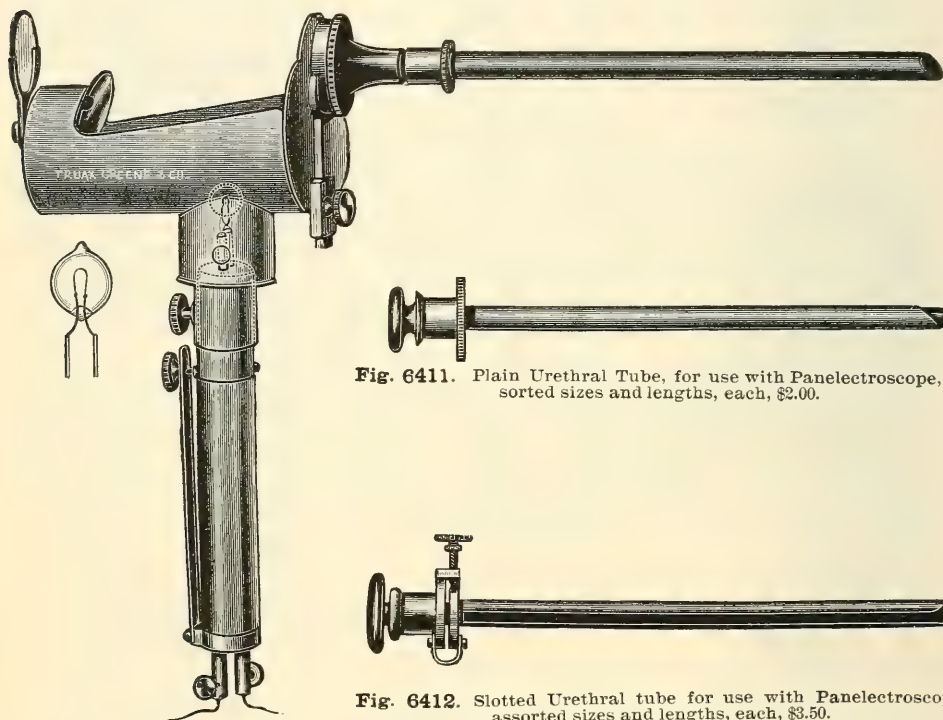


Fig. 6413 Leiter's Panelectroscope, \$28.50.

Fig. 6411. Plain Urethral Tube, for use with Panelectroscope, as assorted sizes and lengths, each, \$2.00.

Fig. 6412. Slotted Urethral tube for use with Panelectroscope, assorted sizes and lengths, each, \$3.50.

The Leiter's Panelectroscope or Endoscope, is an instrument designed for the examination and diagnosis of cavities of small lumen such as the urethra, ear, œsophagus, neck of the uterus, etc.

A detailed description of its many uses may be gleaned from the following sources:

The British Medical Journal, No. 1424.

The Lancet, (London, England), No. 3378.

The Lancet, " " No. 3574.

The "Electric Illumination of the Bladder and Urethra", second edition, 1889, by Harry Fenwick.

A "New Treatment of Acute Gonorrhœa" by C. E. Cotes.

DITTEL'S BLADDER PHANTOM.

The Bladder Phantom is after the design of Dittel. It is useful for the practice of cystoscopy and for demonstrations.

The interior of the phantom is painted to assimilate the interior of the natural bladder, showing vessels, ureters, etc.



Fig. 6414 Dittel's Bladder Phantom, \$26.50.



GYNECOLOGICAL INSTRUMENTS.

ADJUSTERS, Bozeman's, wire, Fig. 7330.....	\$ 1 50
Sims', wire, Fig. 7332.....	75
APPLICATORS, plain, aluminum, Fig. 7267	35
Plain copper, Jackson's, Fig. 7302.....	25
" " " solid handle.....	50
" hard rubber, Fig. 7263.....	35
" silver.....	85
Emmet's, silver, with sheath, Fig. 7303.....	1 00
" aluminum, with sheath, Fig. 7303.....	45
Mitchell's, Fig. 7257.....	1 25
Phillips'.....	1 50
Playfair's, aluminum, Fig. 7296	1 25
Turner's, hard rubber, with sheath, Fig. 7260.....	75
Wylie's.....	75
ATOMIZERS, Antiseptic. See sprays, page 756.	
BAGS, Gynecological. See Bags, Obstetrical, page 1532	
BED PANS. See page 718.	
BLOW PIPE, Self-acting, with frame for cautery irons.....	3 00
BLUNT HOOKS, Sims', Fig. 7336.....	75
Byford's, Fig. 7328.....	1 00
Pratt's, Fig. 8890.....	75
BUTTONS, Bozeman's.....doz	1 00
Suturing, see page 758.	
CABINET, Gynecological. See page 861.	
CATHETERS, Glass, Fig. 7796.....each, 15c., doz	1 50
Silver, Fig. 7794.....	60
" jointed.....	75
" pure, Fig. 7794.....	75
" plated, Fig. 7794.....	40
" " with small holes, Fig. 7792.....	40
Hard rubber, Fig. 7794.....	50
Soft rubber, Leavitt's, Fig. 7779.....	40
Dolore's, dilating, Fig. 7774.....	6 00
Double channel, Nott's, plated, Fig. 7817.....	1 25
" " silver, Fig. 7817.....	2 75
" " plain, plated.....	1 25
" " silver.....	2 75
Sims', sigmoid, silver, Fig. 7823.....	1 10
" " hard rubber.....	45
" " plated.....	45
" improved, Fig. 7788.....	75



GYNECOLOGICAL INSTRUMENTS.

CATHETERS, Skene's, reflux, Fig. 7805.....	\$1 00
Skene's double perforated, Fig. 7807.....	1 00
" Goodman's, self-retaining, hard rubber, Fig. 7790.....	65
" " " aluminum.....	1 00
" " " silver.....	1 15
Windrow's, Fig. 7822.....	1 75
Zuelzer's, Fig. 7809.....	2 25
For ureter, silver.....	2 25
CATHETER AND CURETTE, Abbott's.....	4 00
CANULAS, Gooche's, polypus, silver, Fig. 4031.....	2 00
Gooche's, polypus, plated, Fig. 4031.....	1 00
CAUSTIC HOLDER, Aluminum, jointed, Fig. 7278.....	1 25
Byford's, silver cup, Fig. 7270.....	1 00
" platina cup, Fig. 7270.....	2 50
Edward's, self-grasping, Fig. 7272.....	1 85
CAUTERY IRONS. See page 1060.	
CAUTERY, Thermo, Paquelin's. See page 988.	
CLAMPS, Hysterectomy. See Ligament Forceps	
Ligament, Kelly's, Fig. 7995.....	3 50
" Beate's, Fig. 7996.....	3 00
Ovariectomy, Atlee's.....	4 50
" Beate's.....	3 00
" Dawson's, new, Fig. 7961.....	6 00
" Esmarch's, Fig. 7948.....	4 50
" Gueride's.....	3 40
" Kelly's.....	3 50
" Montgomery's.....	4 50
" Skene's, for cautery.....	11 25
" Spencer Wells', Fig. 7956.....	4 50
" Storer's, clamp shield.....	9 00
" Tait's.....	7 00
" Thomas', Fig. 7959.....	3 35
" " improved, Fig. 7964.....	9 00
Vaginal, Thomas', for compression, Fig. 7695.....	4 50
COLPEURYNTER, Braun's, complete, with stop-cock.....	1 50
COTTONS, Absorbent, etc., see page 765.	
COUNTER PRESSURE HOOK, Emmet's, Fig. 7326.....	95
Hank's, with tenaculum, Fig. 7347.....	1 50
McDonald's, Fig. 7324.....	1 50
Munde's.....	1 00
Nilson's, with tyer, Fig. 7327.....	1 00
Skene's, Fig. 7322.....	1 15
Wylie's, Fig. 7320.....	1 00
CRUTCH, perineal, Clover's, Fig. 7159.....	9 00
CUP, Lente's, platina, for caustic, Fig. 7362.....	2 25
CUPPER, Thomas', dry, Fig. 7249.....	1 00
CURETTES, Abbott's, with catheter, Fig. 7841.....	4 00
Burt's, aseptic, Fig. 7849.....	2 00



GYNECOLOGICAL INSTRUMENTS.

CURETTES, Byford's small.....	\$1 00
" medium, Fig. 7898.....	1 10
" large	1 25
Dolore's, blunt, douche, Fig. 7834.....	2 00
" sharp, douche.....	2 00
Duke's for removing mucus., Fig. 7896.....	1 00
Greene's serrated, Fig. 7863.....	1 15
Hank's.....	1 00
Harris, pair in case.....	8 00
Hoag's set of 5 in case, Fig. 7893.....	4 00
Holbrook's douche, two tips, Fig. 7843.....	3 50
Longear's, set of 2 with syringe, in case, Fig. 7883.....	5 00
Martin's angular edge, Fig. 7847.....	1 50
Munde's sharp.....	1 15
Recamier's, Fig. 7836.....	1 50
Reinstetter's, douche, for washing, Fig. 7838.....	2 00
Sims', scarifying, Fig. 7845.....	2 25
" sharp, Fig. 7871.....	1 50
" long, sharp, steel loop, Fig. 7875.....	1 25
" sharp, extra large, Fig. 7873.....	1 25
" medium, Fig. 7869.....	1 00
Siemon's, Fig. 7879.....	1 25
Skene's.....	1 00
Thomas', blunt, Fig. 7865.....	1 00
Wire, Fig. 7861.....	75
Wylie's, Fig. 7877.....	1 75
CURETTE FORCEPS, Emmet's for removing granulations, Fig. 7457.....	2 50
CUSHIONS, Kelly's, see page 757.	
CUT-OFF, Esmarch's, with 2 tips, Fig. 7848.....	1 00
DEPRESSOR, Bozeman's, double hooked.....	2 25
Bozeman's urethral and perineal, Fig. 7252.....	1 90
Hunter's, Fig. 7250.....	1 00
Ludlam's.....	1 25
Nott's, Fig. 7258.....	75
Sims', single loop, Fig. 7256.....	75
" double loop, Fig. 7254.....	75
Whitney's, Fig. 7255.....	1 30
DILATOR, Labia, Fig. 7178.....	1 50
Urethral, Caro's, Fig. 7174.....	1 25
Uterine, see also Allen's pump, page 989.	
" Atlee's, Fig. 7756.....	2 10
" Baer's modification of Ellinger's.....	6 75
" Barnes' set of 3 complete, Fig. 7738.....	3 00
" " set of 3.....	1 50
" " with stop-cock.....	each 75
" " improved set of 3.....	2 00
" " " each.....	75
" " " stop-cock for same.....	25
" Dudley's, irrigating, Fig. 7775.....	5 00



GYNECOLOGICAL INSTRUMENTS.

DIALATOR, Uterine, Ellinger's, plain.....	\$6 50
Uterine, Ellinger's, best with ratchet	7 50
" Emmet's, rubber, with stop-cock, Fig. 7782.....	1 50
" Goodell's modification of Ellinger's, Fig. 7701.....	7 50
" " small, Fig. 7706.....	6 50
" Hank's, small, set of 10, Fig. 7752.....	3 75
" " large, set of 10, Fig. 7754.....	4 10
" Hegar's set, 12 pieces.....	8 50
" Mansfeldt's, electric, Fig. 7744.....	4 50
" Miller's.....	7 50
" Nelson's, Fig. 7741.....	3 00
" Nott's, Fig. 7750.....	2 25
" Palmer's, improved, Fig. 7712.....	8 50
" " original, Fig. 7733.....	3 00
" Peaselee's, Fig. 7746.....	4 50
" Pratt's, Fig. 7726.....	75
" " electrical, Fig. 7728.....	4 50
" Sims', 3 blade, Fig. 7708.....	9 00
" Simpson's, set of 12.....	4 50
" Spooners (Pratt's), Fig. 7726.....	75
" Tait's, Fig. 7735.....	1 90
" Thomas'.....	3 50
" Wathen's, Fig. 7702.....	5 00
" Werner's, 9 in set.....	6 00
" White's.....	3 35
" Wilson's, Fig. 7748.....	4 00
" Wylie's, Fig. 7729.....	2 50
Vaginal, Bozeman's, 5 sizes, Fig. 7780.....	each 75
" Elm. See page 1501.....	
" Sims', glass, set of six, Fig. 7784.....	2 25
" " " 	each 40
" " hard rubber, set of four, Fig. 7784.....	2 25
" " " " 	each 60
" Hank's, set of ten, Fig. 7754.....	4 10
DOUCHES, Drakeley's, see page 730.	
DOUCHE TUBES OR PIPES, Metal, Bozeman's.....	1 25
Metal, Fritch's, Fig. 7791.....	1 75
" Jennison's, Fig. 7795.....	1 50
" Kelly's, Aseptible, Fig. 7793.....	3 00
" Webster's, with Curretting Tip, Fig. 7840.....	2 50
" Wigmore's, Fig. 7785.....	1 50
" D. W. Williams', Fig. 7789.....	2 75
Web, English, plain, Fig. 7813.....	50
" silk, fine, Fig. 7813.....	90
Soft Rubber, plain.....	60
" " Nelaton's, small.....	60
" " " large, Fig. 7815.....	75
DOUCHE DILATOR, E. C. Dudley's, Fig. 7775.....	5 00



GYNECOLOGICAL INSTRUMENTS.

ECRASEURS. Chain, Chassaignac's, large, straight, Fig. 7942	\$12 50
Chain, Chassaignac's large, curved, Fig. 7942	13 50
" " small, straight, Fig. 7943	10 50
" " " curved, Fig. 7943	11 00
" Emmet's	26 25
" Luer's, Fig. 7944	10 00
Wire, Barnes'	3 75
" Braxton-Hick's, 3 points	11 25
" Skene's, Fig. 7947	5 85
" Smith's curved, Fig. 7945	3 25
" " straight, Fig. 7946	3 00
" " two points	4 00
ECRASEUR WIRE	per yard 15
ELEVATORS, Uterine, Byford's, in case, Fig. 7691	2 50
Uterine, Carroll's	2 60
" Elliott's, Fig. 7678	2 50
" Emmet's, Fig. 7688	3 00
" Guernsey's, Fig. 7686	1 00
" Ludlam's, Fig. 7676	3 50
" " modification of Guernsey's, Fig. 7687	1 00
" Miller's (San Francisco), Fig. 7690	2 00
" Sims', Fig. 7680	4 00
" White's	3 75
" Wylie's	5 00
" And Curette, Skene's	7 50
ENDOSCOPES, Skene's, Fig. 7176	each 2 25
ENUCLEATORS, Sims'	2 65
Emmet's, Fig. 7685	1 15
EXPELLER, Sponge tent, Fig. 7768	50
FORCEPS, Angle, Wylie's, Fig. 7560	2 25
Applicating and dressing, Dixon's	4 50
Artery clamp, Nott's	4 50
" Byford's single curve, Fig. 7422	2 00
" " double, Fig. 7428	2 25
" " T shape, Fig. 7432	2 50
" Ethridge's, 6 inch, Fig. 7411	1 75
" " Fig. 7411	2 50
" Faenger's, 6 " Fig. 7461	1 75
" " 8 " Fig. 7463	2 25
" Pratt's T shape, Fig. 7434	\$2 00, doz 21 00
" " V " Fig. 7453	2 25
" Tortion, Spencer Wells', Fig. 7430	2 60
Clamp, Spencer Wells', Fig. 7438	5 00
Byford's, Fig. 7568	3 00
Compression, artery, Thomas' (Hæmostatic), Fig. 7436	1 85
" Pratt's, straight, 9 inch, Fig. 7410	2 50
" " curved on edge, Fig. 7487	2 00
" " " on flat, Fig. 7489	2 00



GYNECOLOGICAL INSTRUMENTS.

FORCEPS, Sac, Thomas'	\$ 2 25
Seizing, Byrne's, Fig. 7505	2 25
" Langenbeck's, Fig. 7511	1 90
" Sims'	2 20
" Self-grasping, Fig. 7519	2 25
Shot Compressing, Fig. 7498	1 75
" Perforating	2 00
Shouldering, Thomas', Fig. 7552	3 50
Sponge Holding, Byford's, Fig. 7547	2 00
" " Emmet's, Fig. 7485	2 00
" " Plain, heavy, Fig. 7491	2 50
Tenaculum, Ball's, double, Fig. 7563	1 85
" Skene's, Fig. 7562	2 00
" Hank's, Fig. 7565	2 00
" Wylie's, Fig. 7560	2 25
Tent Introducing, Wilcox'	1 50
Tissue, adjustable, with catch, Fig. 7515	3 00
" Agnew's, Fig. 7503	1 90
" Jackson's, Fig. 7499	2 00
" Manton's, Fig. 7513	2 25
" Musseux, Fig. 7449	1 90
" Nott's	2 00
" Plain, straight, 3 teeth	1 25
" " " 5	1 50
" " " 7	1 75
" " curved, 3	1 50
" " " 5	1 75
" " " 7	2 00
" Sims', curved	2 50
" " straight	2 25
" Thomas', curved, Fig. 7507	3 25
" " straight	3 00
Tortion, Spencer Wells', Fig. 7430	2 25
Tumor, Bellamy's, Fig. 7390	5 00
" Bilroth's, heavy, Fig. 7388	3 50
" " very heavy, Fig. 7386	4 50
" Byrne's, Fig. 7426	3 00
" Collins', Fig. 7466	5 00
" Greenhalgh's, Fig. 7380	3 75
" Guyon's, Fig. 7401	9 00
" D. H. Williams', Fig. 7391	5 00
" Wilson's	4 50
Twisting, Emmet's, Fig. 7527	2 25
" Fitch's, Fig. 7523	3 00
" Nott's, Fig. 7525	2 25
" Sims'	2 25
" Thomas'	2 25



GYNECOLOGICAL INSTRUMENTS.

FORCEPS, Vulsellum, Bacon's, Fig. 7509.....	\$ 2 00
“ Byrne's, Fig. 7465.....	2 25
“ Byford's, small, Fig. 7451.....	2 25
“ “ medium, Fig. 7378.....	2 50
“ “ large, Fig. 7382.....	2 75
“ Cushing's.....	2 25
“ French, 6 inch, with catch.....	1 85
“ “ 6 “ no “ Fig. 7494.....	1 65
“ “ 8 “ with “ Fig. 7493.....	2 00
“ “ 8 “ no “.....	1 80
“ Jackson's, Fig. 7497.....	1 75
“ Heavy, with, ratchet, Fig. 7455.....	2 50
“ Musseux', Fig. 7449.....	1 90
“ Rosers', Fig. 7496.....	2 00
“ Self-grasping. See Seizing Forceps.	
Wire Shouldering, Thomas', to prevent the wire from cutting through the edges of the wound, Fig. 7552.....	3 50
Wire twisting. See Twisting.	
FULCRUM, Thomas', same as Fig. 7332 (Sims' Shield.)	
GYNAPOD, Comstock's, Fig. 7161.....	15 00
“ with speculum.....	18 75
HOOKS, Blunt. See page 1435.	
Counter pressure. See page 1436.	
HYSTEROTOME. See also Uterotomes.	
Gouley's, Fig. 7999.....	3 75
Simpson's, Fig. 8003.....	5 00
White's.....	9 00
IRONS, Cautey. See page 1060.	
KNIVES, Bozeman's, delicate, Fig. 7982.....	1 25
Bozeman's, scalpel, same as Fig. 7974.....	1 25
Bent to right, Fig. 7978.....	1 25
“ left, Fig. 7977.....	1 25
Curved on flat, double edge, Fig. 7979.....	1 50
Double edge, bent down, Fig. 7980.....	1 50
Jenks', double edge, for perineal operations.....	1 50
Sims', straight.....	1 25
“ four blades and holder.....	7 50
“ rotating.....	3 25
“ probe point, Fig. 7983.....	1 25
Scott's, Fig. 7981.....	1 25
Skene's, with probe, Fig. 8011.....	each 75
Truax', set of seven, in neat case, Fig. 7974 to 7980.....	9 50
“ For price of each, see Figs. 7974 to 7980.	
KNOT TYER, Carroll's.....	1 50
LAMP, Collin's. See page 1287.	
LEECHES, Artificial. See page 982.	
LINT. See page 766.	
MEATOSCOPES. See Endoscopes.	



GYNECOLOGICAL INSTRUMENTS.

MEATOTOMES. See Hysterotomes.

MENSTRUAL BELTS AND PADS. See page 720.

NEEDLES, abdominal, Keith's.....doz	\$ 0 75
Canulated, Collins', in case, Fig. 8242.....	13 50
" Pease's, Fig. 8243.....	8 00
" Reverdin's, in folding handle, Fig. 8233.....	3 25
" " modified by E. H. Pratt, Fig. 8238.....	2 75
" " solid handle, Fig. 8234.....	2 50
" Stone's, Fig. 8255.....	1 00
" Von Brun's, set of two, in case, Fig. 8239.....	3 00
" " " three, in case.....	4 00
Fistula, curved, Fig. 8204.....doz	1 00
" Mooij's, aseptic, three sizes, Fig. 8258.....each	1 00
" Sims', Fig. 8185.....doz	75
Laparotomy, Hall's, plain, aseptic, Fig. 8216.....	1 00
" " open eye, Hagedorn point, aseptic, Fig. 8217.....	1 25
" Crofford's, aseptic, Fig. 8259.....	1 25
Pedicle, Nelson's, double curved, aseptic, Fig. 8220.....	1 25
" " full curved, aseptic, Fig. 8218.....	1 25
" Tait's, Fig. 7912.....	1 75
" Dunning's, Fig. 8257.....	1 25
" Denslow Lewis, Fig. 8254.....	1 25
Perineum, Ashton's, aseptic, Fig. 8228.....	1 00
" Binkley's, removable points, aseptic, Fig. 8226.....	2 50
" " split eye, aseptic, Fig. 8227.....	1 75
" Goodell's, Fig. 8205.....doz	1 25
" Greene's, aseptic, Fig. 8240.....	1 25
" Graves'.....	75
" G. A. Hall's, aseptic, Fig. 8215.....	75
" Helical, aseptic, Fig. 8229.....	1 25
" Mooij's, aseptic, Fig. 8253.....	60
" Munde's, aseptic.....	1 25
" Papine's, aseptic, Fig. 8224.....	60
" Parker's.....	3 75
" Pean's, aseptic, three sizes, Fig. 8219.....each	1 25
" Peaslee's, aseptic, Hagedorn's point, Fig. 8225.....	1 35
" " set of three, aseptic, Fig. 8230.....	2 25
" Plain, aseptic, Fig. 8232.....	1 00
" E. H. Pratt's, aseptic, Fig. 8188.....doz	1 00
" Sims' Fig. 8201.....doz	1 00
" Skene's, Fig. 8186.....doz	1 00
" Straight, aseptic.....	1 00
" Thomas', Fig. 8203.....doz	75
" Whitehead's, helical, aseptic, Fig. 8229.....	1 25
" Wilson's, aseptic, Fig. 8244.....	1 00
" " right or left, aseptic, Fig. 8241.....	1 25
Uterine, Emmet's, lance point, Fig. 8199.....doz	75
" " trocar pointed, Fig. 8190.....doz	75



GYNECOLOGICAL INSTRUMENTS.

NEEDLES, Uterine, Emmet's, round, Fig. 8193.....	doz.	\$ 0 75
“ Jackson's, aseptic, set of two, Fig. 8256.....	“	2 25
“ Henry Palmer's, Fig. 8189	doz	1 50
“ E. H. Pratt's, three sizes, Fig. 8188.	doz	1 00
“ J. S. Pyles', aseptic, Fig. 8214.....	“	1 25
“ Sims', cervical, Fig. 8184.....	doz	75
“ “ fistula, Fig. 8185.....	doz	75
“ Skene's, Fig. 8186.....	doz	1 00
General operating, Truax', set in neat case, Fig. 8245.....	set	4 00
NOZZLE, Thomas syringe, with reverse current, Fig. 7786.....		50
PELVIMETERS. See page 964.		
PENCILS, Alum, mounted on handle, Fig. 3657.....		25
Blue Vitriol, mounted on handle, Fig. 3657.....		25
Chloride zinc.....		25
Nitrate silver Fig. 3655.....		25
PERINEORRAPHY SET, Jenks', in case.....		8 50
PESSARIES, Babcock's.....		10 00
Bow, narrow.....	25c. doz	2 00
“ medium, Fig. 8312.....	25c. doz	2 00
“ wide.....	25c. doz	2 00
Bozeman's Vaginal support.....		1 60
Bromley's, Fig. 8364.....		2 00
Buttle's.....		40
Byford's, four sizes, Fig. 8387.....		1 00
“ three sizes, Fig. 8389.....		1 00
Carroll's.....		60
Chambers', intra-uterine.....		75
“ “ “ with stem for introduction, set of three, Fig. 8466		2 25
Cole's, anteversion, Fig. 8456.....		2 25
“ galvanic.....		1 50
“ retroversion.....		2 25
Concave, hard rubber, Fig. 8320.....	25c. doz	2 00
“ glass, Fig. 8320.....		25
Connant's.....		1 75
Cutter's, anteversion, with band.....		1 50
“ cup, with band, Fig. 8414.....		1 50
“ prolapsus, with band, Fig. 8414.....		1 50
“ retroversion, with band, Fig. 8418.....		1 25
“ ring, with band, Fig. 8432.....		1 50
“ stem, with band.....		1 50
“ T, with band, Fig. 8424.....		1 50
“ T, modified, with band, Fig. 8428.....		1 50
“ T, modified by Thomas, with band, Fig. 8416.....		2 00
Thomas' modification, with band, Fig. 8426		2 00
Davidson Rubber Co's, soft rubber, Fig. 8385.....		1 00
Edwards'.....		2 00
Emmet's, hard rubber, heavy, Fig. 8457.....		65
“ “ light.....		25



GYNECOLOGICAL INSTRUMENTS.

PESSARIES, Fitch's.....	\$ 1 25
Fowler's, three sizes, Fig. 8359.....	1 25
" bow, Fig. 8363.....	1 75
Galvanic, Hanks'.....	1 10
" stem, Hank's.....	1 10
" " Thomas', Fig. 8334.....	1 00
Gehrung's, modification of Smith's, Fig. 8397.....	40
" anteflexion, Fig. 8395.....	1 50
" anteversion, Fig. 8391.....	35
" retroflexion, Fig. 8399.....	1 50
" retroversion, Fig. 8397.....	40
Globe, glass, Fig. 8366.....	25
" hard rubber, Fig. 8366.....	75
Greenhalgh's.....	85
Hanks', galvanic.....	1 10
Herrick's.....	2 00
Hewitt's, Fig. 8328.....	75
" cradle, Fig. 8354.....	45
Higbee's.....	60
Hitchcock's, anteversion, Fig. 8355.....	60
Hodge's, horse shoe, Fig. 8310.....	25c., doz 2 50
" bow, Fig. 8312.....	25c., doz 2 00
" closed lever, Fig. 8318.....	25c., doz 2 00
" " soft rubber.....	75
" open lever, Fig. 8310.....	25c., doz 2 50
Hofmann's, hard rubber.....	2 50
" soft rubber, see page 1528.....	1 50
Hornby's, with belt.....	2 25
" silver, with belt.....	4 00
Hurd's, Fig. 8367.....	1 00
Jackson's, hard rubber stem, Fig. 8371.....	75
" soft rubber stem, Fig. 8333.....	35
" spiral stem, Fig. 8464.....	1 00
James'.....	2 50
Kinloch's, anteversion.....	1 00
" for prolapsus of bladder.....	1 85
Meigs', ring, as shown by Thomas, Fig. 8324.....	30
McIntosh's, uterine supporters.....	4 25
Munde's, ovarian, see Ovarian.	
Noegerath's.....	60
O'Leary's.....	2 25
Ovarian, right and left, Fig. 8452.....	1 50
" either side.....	1 50
Peaslee's, intra-uterine, Fig. 8369.....	1 00
Pear shape, hollow, inflating, with long tube, white, Fig. 8300.....	30
" " " pure gum, Fig. 8300.....	40
Ring, block tin.....	35
" elastic, soft rubber.....	30



GYNECOLOGICAL INSTRUMENTS.

PESSARIES, Ring, flexible, on copper wire.....	\$ 0 30
Ring, hard rubber, solid, Fig. 8304.....	25
“ hollow, pure gum.....	75
“ “ hard rubber.....	50
“ inflated, white, Fig. 8302.....	30
“ “ pure gum, Fig. 8302.....	40
“ “ soft rubber, German, heavy.....	50
“ inflating, with long tube, white, Fig. 8306.....	30
“ “ “ “ pure gum, Fig. 8306.....	40
“ metal.....	35
“ spiral, Fig. 8324.....	30
Scott's, Fig. 8422.....	1 75
Shannon's.....	6 00
Skene's, cystocele, Fig. 8460.....	1 50
“ for prolapsus of bladder, Fig. 8458.....	1 50
Sleigh, Fig. 8330.....	55
Smith's, Fig. 8308.....	25c., doz 2 00
“ soft rubber.....	50
Stem, Chambers', set of three, with introducer, Fig. 8466.....	2 25
“ Elm, for use after dilatation. See page 1501.	
“ galvanic, Fig. 8334.....	1 00
“ “ Thomas', Fig. 8334.....	1 00
“ glass, hollow.....	35
“ glass, for use after dilatation, Fig. 8436.....	25
“ hard rubber, plain, Fig. 8332.....	35
“ “ curved.....	40
“ Jackson's, hard rubber, spiral, Fig. 8464.....	1 00
“ “ Fig. 8371.....	75
“ “ soft rubber, Fig. 8333.....	25
“ Peaslee's, Fig. 8369.....	1 00
“ Sims'.....	1 30
Thomas' antelexion, Fig. 8350.....	1 50
“ anteversion, Fig. 8316.....	1 00
“ “ Fig. 8352.....	75
“ “ and antelexion, Fig. 8357.....	1 25
“ Cutter's, prolapsus, with band, Fig. 8430.....	1 50
“ “ retroflexion, with band, Fig. 8426.....	2 00
“ “ retroversion, with band, Fig. 8420.....	1 25
“ “ T, with band, Fig. 8416.....	2 00
“ galvanic, stem, Fig. 8334.....	1 00
“ glass stem, Fig. 8436.....	25
“ Hodge's, Fig. 8321.....	75
“ lateroflexion, Fig. 8361.....	1 75
“ Meigs', Fig. 8324.....	30
“ retroflexion, Fig. 8314.....	50
“ “ elastic, Fig. 8314.....	1 00
“ “ with cervical rest, Fig. 8454.....	75
“ retroversion, Fig. 8326.....	75



GYNECOLOGICAL INSTRUMENTS.

PESSARIES, Thomas', retroversion, Smith's, Fig. 8314.....	\$ 0 50
" " " elastic, Fig. 8314.....	75
Von Ramdohr's.....	1 15
Wathen's, stem.....	1 25
Woodard's, Fig. 8462.....	95
Zwanck's, hard rubber, Fig. 8393.....	1 10
" boxwood, Fig. 8393.....	1 25
PINS, Hysterectomy, guarded, Fig. 7950.....	75
Ovariectomy, silver.....	2 25
" Peck's.....	30
" Wilcox's.....	1 00
Perineum, Marcy's.....	35
Pedicel, Koeberlie's, Fig. 7950.....	75
PLUG, cervical, Wylie's Fig. 8434.....	60
Cervical, Elm, see page 1501.	
" Glass, Thomas', Fig. 8436.....	25
POLYPTOME, Aveling's.....	6 00
Simpson's.....	2 00
PORTE CAUSTIC, see page 1396.	
PROTECTOR, Cervical, Wylie's, plated, Fig. 7275.....	1 50
Protector, cervical, Wylie's, silver.....	3 50
PULLEYS, Sims', Fig. 7334.....	75
PROBES, Aluminum, same as Fig. 7292.....	75
Hard rubber, Budd's, Fig. 7265.....	35
" Thomas', flat.....	1 00
Jenks', Fig. 7273.....	85
Lead.....	40
Lente's, caustic, one bulb, Fig. 5405.....	95
" " two bulbs.....	1 15
Playfair's, aluminum, Fig. 7296.....	1 25
Skene's, and knife, Fig. 8011.....	each 75
Silver, Emmet's.....	85
" Sims', Fig. 7292.....	85
Whalebone.....	75
REPLACERS and Repositors, see Elevators, page 1439.	
RETRACTORS, see page 1062.	
Vaginal, Belfield's, Fig. 7154.....	1 00
" Byford's, Fig. 7215.....	pair 1 25
" Feig's, Fig. 7168.....	4 00
" Kristeller's, Fig. 7158.....	1 25
" Martin's, Fig. 7148.....	3 00
" Munde's-Sims', Fig. 7147.....	2 25
" Jackson's, Fig. 7153.....	1 00
" " aluminum.....	2 00
" Porter's, Fig. 7155.....	2 00
" Siemon's, aseptic, Fig. 7152.....	2 00
" Sims', Fig. 7150.....	1 25
SAW, Spoon, Thomas', Fig. 8005.....	2 25



GYNECOLOGICAL INSTRUMENTS.

SCALPEL, See Knives, page 1442.

SCARIFICATORS, Buttle's, spear point, Fig. 7274.....	\$ 0 95
Byford's, Fig. 7279.....	1 25
SERRE-NOEUD, Koeberle's, with forceps and skewer, Fig. 7954.....	9 00
Pozzi's, Fig. 7941.....	7 50
Tait's.....	4 50
SCISSORS, angular, medium, Fig. 7584.....	1 75
" heavy, Fig. 7584.....	2 00
curved on the flat, light, Fig. 7579.....	1 75
" " medium, Fig. 7580.....	1 75
" " large, Fig. 7581.....	2 00
" " extra heavy, Fig. 7582.....	2 25
" " both points sharp, medium, Fig. 7583.....	1 75
" " " " large.....	2 00
" " one point probe, Fig. 7585.....	2 00
straight, light.....	1 50
" medium, Fig. 7586.....	1 50
" large, Fig. 7587.....	1 75
" extra heavy.....	2 00
" medium, sharp points, Fig. 7588.....	1 50
" large, sharp points.....	1 75
Bozeman's, double curved, Fig. 7622.....	2 50
" angular, Fig. 7593.....	2 00
Byford's, blunt points, Fig. 7595.....	2 00
" sharp points, Fig. 7594.....	2 00
" for the Alexandrian operation, Fig. 7598.....	2 00
Clark's, tooth edge, Fig. 7596.....	4 50
Cervix, for amputations.....	5 00
Dawson's.....	3 40
Emmet's, button hole, Fig. 7621.....	6 00
" lesser curve to right, Fig. 7614.....	3 00
" " left, Fig. 7614.....	3 00
" full curve to right, Fig. 7618.....	3 25
" " left, Fig. 7618.....	3 25
" wire cutting.....	3 35
Hank's, trachelorrhaphy, Fig. 7616.....	3 25
Heywood Smith's.....	9 00
Jenks', Fig. 7603.....	2 25
Kuechenmeister's, for dividing the neck of the uterus.....	3 00
Ligature, Gusserow's, Fig. 7627.....	2 25
Pratt's, original, Fig. 7649.....	2 00
" improved, Fig. 7651.....	2 00
Saw tooth, curved, Fig. 7596.....	4 50
Sims', see curved on flat scissors, above.	
Skene's, buttonhole, Fig. 7624.....	5 00
" hawk bill, Fig. 7654.....	7 50
Smith's, wire cutting, Fig. 7660.....	2 25
Wilson's, wire cutting, Fig. 7658.....	3 25



GYNECOLOGICAL INSTRUMENTS.

SCOOP, Thomas', Fibroid, three sizes, Fig. 8005.....	each\$ 2 25
SCREW, Sims', tamponing, Fig. 7318.....	1 00
SHIELD, Sims', Fig. 7332.....	75
SHOT, Perforated.....	hundred 40
SHOT PERFORATOR, Greene's, Fig. 8287.....	3 50
SILK, Ligature, see page 761.	
SOUNDS, Chapman's, set.....	2 25
Fitch's, Fig. 7281.....	1 00

This consists of a graduated uterine sound surrounded by a sliding spiral sheath, and as both sound and sheath are perfectly flexible the instrument can be bent in any direction. To ascertain the depth of the uterus it is only necessary to introduce the sound and slide the sheath down until the first ring reaches the external Os; when, on setting the thumb screw and withdrawing the instrument the depth will be found stamped in inches at the point the lower ring rests on.

Gidding's, Fig. 7285.....	1 25
Hunter's, Fig. 7287.....	1 25
Jenks', Fig. 7293.....	1 75
Jennison's.....	3 00
Sims', best quality, Fig. 7291.....	50
“ aluminum.....	75
Simpson's, best quality, graduated, Fig. 7289.....	65
“ aluminum.....	85
“ folding, Fig. 7283.....	1 50
Skene's.....	2 00
“ sound and scarifier, Fig. 8001.....	4 50
SPECULUM, Cervical, Elliott's, Fig. 7170.....	4 75
“ Polk's, and douche.....	2 50
“ Brunages', Fig. 7276.....	3 75
Truax', Mod., Mathieus', Fig. 7172.....	6 00
Labia, wire, Fig. 7178.....	1 50
Urethral, plain, Fig. 7195.....	35
“ Sampson's, Fig. 7191.....	2 00
“ Skene's, Fig. 7193.....	1 90
“ Skene's-Folsom's, Fig. 7199.....	1 00
“ Bivalve, Caro's; Fig. 7174.....	1 25
“ Jackson's, plain.....	75
“ “ silvered, Fig. 7197.....	85
Vaginal, Bacon's-Neugebauer's.....	set 3 50
“ Bath, French model, Fig. 7138.....	1 50
“ “ American pattern, Fig. 8182.....	1 50
“ Blake White's-Nott's.....	2 00
“ Bozeman-Simon's, 2 handles and 8 blades, aseptic, Fig. 7134.....	12 00
“ Bozeman's, sets, 2 handles and 4 flat and 4 Sims blades, aseptic, Fig. 7128.....	12 00
“ Brue's, 2 pairs blades, Fig. 7144.....	set 5 00
“ Brewer's, convertible into a Sims', Fig. 7129.....	1 50
“ “ aluminum, Fig. 7129.....	2 75



GYNECOLOGICAL INSTRUMENTS.

SPECULUM, Vaginal, Buttle's.....	\$ 0 75
Vaginal, Cleveland's, with belt, Fig. 7126.....	2 50
“ Collins', Folding, Fig. 7000.....	4 00
“ Cusco's, modified, Fig. 7109.....	2 00
“ “ improved, folding handles, Fig. 7106.....	1 50
“ “ Ludlam's pattern.....	2 00
“ Dawson's-Sims', Fig. 7009.....	4 50
“ “ Ehrich's.....	7 50
“ Edelbohl's, Fig. 7130.....	4 00
“ Emmet's-Sims'.....	4 50
“ Ehrich's.....	7 00
“ Ethridge's, Fig. 7115.....	1 75
“ Ferguson's, glass, silvered, Fig. 7059.....	35
“ “ “ extra large.....	50
“ “ “ plain.....	30
“ “ “ fenestrated.....	50
“ “ “ round end.....	50
“ “ “ opaque.....	40
“ “ hard rubber, Fig. 7056.....	75
“ Fitch's.....	2 50
“ Fryer's-Sims', wire, Fig. 7122.....	1 50
“ C. K. Flemming's, folding, Sims', Fig. 7132.....	2 00
“ Goodell's, Fig. 7073.....	3 00
“ Graves', Fig. 7113.....	1 35
“ “ aluminum.....	3 00
“ Grandin Mann's.....	3 00
“ Hale's, Fig. 7050.....	1 75
“ “ aluminum.....	3 50
“ “ small size.....	2 50
“ Heburn's, Mod. Sims'.....	2 50
“ Higbee's, three sizes, Fig. 7079 and 7116.....	1 50
“ Howard's, Fig. 7104.....	2 00
“ Hunter's, Fig. 7098.....	3 50
“ “ Ehrich's, Fig. 7052.....	6 75
“ Jackson's, Fig. 7110.....	1 75
“ “ long, Fig. 7111.....	2 00
“ Jenks', Fig. 7075.....	6 00
“ Jones'.....	3 00
“ Kristeller's, Fig. 7158.....	1 25
“ “ aluminum, Fig. 7158.....	1 75
“ Landau's, aseptic, Fig. 7117.....	3 25
“ Leonard's, Fig. 7061.....	3 25
“ Ludlam's-Cusco's.....	2 00
“ Martin's, 3 sizes, aseptic, Fig. 7148.....	each 3 00
“ McNutt's (San Francisco) Fig. 7100.....	2 50
“ Miller's, three sizes, Fig. 7112.....	1 50
“ “ aluminum.....	2 50
“ Munde's-Sim's, Fig. 7142.....	2 50



GYNECOLOGICAL INSTRUMENTS.

SPECULUM, Vaginal, Nelson's, Fig. 7125.....	\$ 1 75
Vaginal, Nelson's, small.....	2 00
" Neugebauer's	4 50
" Nott's, Trivalve, Fig. 7094.....	1 50
" aluminum	2 50
" small, Fig. 7068.....	1 75
" Palmer's, Bivalve.....	2 00
" Trivalve.....	2 50
" Reid's.....	4 50
" Record's, Fig. 7077.....	2 00
" Sims', five sizes, Figs. 7003 and 7006.....	1 00
" aluminum, three sizes	1 50
" hard rubber.....	1 50
" folding, Fig. 7054.....	4 00
" wire, Fig. 7122.....	1 50
" one blade, with handle, Fig. 7150.....	1 25
" Storer's.....	2 00
" Spencer Wells', self-retaining, with three blades, Fig. 7146..	15 00
" Taylor's, Fig. 7058.....	1 50
" aluminum	2 50
" small.....	1 75
" Thomas'-Cusco's, Fig. 7109.....	2 00
" Thomas'-Sims', with tenaculum, Fig. 7120	6 00
" Trelat's.....	4 50
" Windrow's.....	3 00
" Woman's Hospital, Fig. 7114.....	2 50
SPECULUM HOLDER, Walsh's, Fig. 7123.....	5 00
SPONGES, Antiseptic, see page 767.	
SPONGE HOLDERS, Emmet's, Fig. 8028.....	50
Granger's, Fig. 5407.....	1 50
Hart's, Fig. 8026.....	75
Husson's, Fig. 8035.....	50
" heavy.....	75
Jackson's, wire, Fig. 8034.....	35
Smith's, Fig. 8032.....	75
Sims', Fig. 8030.....	50
SPRAYS, Antiseptic. See page 756.	
SPOON SAW, Thomas', Fig. 8005.....	2 25
STAYS, Brickel's, Perineal.....	60
STIRRUPS, De Pew's, see page 842.....	pair 5 00
Vonklein's	pair 5 00
STEMS, Onterbridge's, non-corrosive, for relieving sterility, Fig. 7689.....	50
Introducers for same, Fig. 7689.....	2 00
Pratt's, intra-uterine, Fig. 8183.....	75
STRICTURETOME, Thomas'.....	2 00
STOP-COCKS. Hard rubber, double end, small, Fig. 8173.....	35
" " large.....	50



GYNECOLOGICAL INSTRUMENTS.

STOP-COCKS, hard rubber, single end, small, Fig. 8172.....	\$ 0 25
“ “ medium	35
“ two way, Fig. 8174.....	75
SUPPORTERS. See pages 652	
SUPPOSITORS. See page 721.	
SYRINGES, Vaginal. See page 722.	
Mucous, Thomas', Fig. 8038.....	1 50
Ointment, Hutchinson's, with two hard rubber pipes, Fig. 8169.....	2 50
Uterine, Braun's, hard rubber, Fig. 8036.....	1 25
“ “ metal, fine quality, Fig. 8037.....	2 00
“ Lente's, in case, Fig. 8039.....	5 00
“ hard rubber. See page 722.	
“ Nott's.....	1 85
SWAB, hard rubber, Fig. 7316.....	40
TABLES. Gynecological. See pages 865 to 874.	
TAMPONS, French, six in box Fig. 7259.....	box 50
Introducers for same, Fig. 7259.....	25
TAMPONNING SCREW, Sims', Fig. 7318.....	1 00
TENACULUMS. Dudley's, aseptic, Fig. 7344.....	75
Emmet's, Fig. 7338 A.....	75
“ double, Fig. 8041.....	3 75
Heavy, for pulling down the Uterus.....	1 00
Kelly's, steel, with hook, Fig. 7340.....	1 00
Miller's, wire.....	25
Nelson's, wire.....	25
Nott's, wire.....	25
Perry's, barbed, Fig. 7338 F.....	1 00
Pratt's, aseptic, Fig. 7342.....	75
Sims', Fig. 7338 D.....	75
Wylie's.....	85
See also Tenaculum Forceps, page 1441	
TENTS, Elm, see page 1501.	
Sponge, best, Fig. 7776.....	doz 50
“ “ waxed.....	doz 75
“ curved, Fig. 7778.....	doz 1 00
“ “ waxed.....	doz 1 25
“ extra large.....	doz 1 50
Sea-tangle, solid, Fig. 7770.....	doz 75
“ hollow.....	doz 1 00
Tupello, solid, Fig. 7773.....	doz 75
“ hollow.....	doz 1 00
TOURNIQUET. Emmet's, uterine.....	4 00
TRACTOR, utero, Bernay's, Fig. 7662.....	4 50
TROCARS, intra-uterine.....	4 50
Byford's, Fig. 7934.....	2 50
Ovarian, Fitch's dome, complete, Fig. 7938.....	6 00
“ Flint's.....	3 00
“ Tait's, plain, Fig. 7907.....	2 00



GYNECOLOGICAL INSTRUMENTS.

TROCARS, Ovarian, Truax & Co., Fig. 7927.....	\$ 6 00
Ovarian, Dunster's, Fig. 7928.....	4 00
“ Emmet's, best, Fig. 7926.....	3 25
“ Lawson Tait's, complete, Fig. 7905.....	13 50
“ “ “ plain, Fig. 7907.....	2 00
“ Mathieu's, Fig. 7910.....	4 00
“ Spencer Wells', Fig. 7936.....	7 50
“ “ “ improved, with curved tube, latest.....	13 50

TUBES, drainage, see page 763.

Instillation, Skene's, Fig. 7277.....	25
Vaginal, Nelaton's, small, soft rubber.....	60
“ “ large, “ Fig. 7815.....	75
“ with stop cock.....	75
“ silk, soft and flexible, Fig. 7813.....	90
“ irrigating, Chamberlain's, glass, Fig. 8275.....	85

TUBING, drainage, see page 764.

UTEROTOME, Peaslee's, Fig. 7694.....	3 25
Peaslee's, 2 blades.....	5 00

WIRE, see page 763.

WIRE ADJUSTERS, see page 1435.

WIRE TWISTERS, Classen's, Fig. 8009.....	3 00
Plain, Fig. 8007.....	1 10
See also Forceps, page 1441.	

WIRE CUTTER, Perry Abbott's.....	4 50
Tucker's, Fig. 8015.....	3 50

DR. A. REEVES JACKSON'S GYNECOLOGICAL CASE, Consisting of :

1 Jackson's base expanding speculum, Fig. 7110.	1 Thomas' blunt curette, small, Fig. 7865.
1 Jackson's perineal retractor, Fig. 7153	1 Wylie's large sharp curette, Fig. 7877.
1 Sims' speculum, with one broad blade, Fig. 7003.	1 Semon's small sharp curette, Fig. 7879.
1 Sims' best uterine sound, Fig. 7291.	1 No. 10 soft rubber catheter.
1 Byford's dressing forcep, Fig. 7482.	1 Improved Russian needle holder, Fig. 1251.
1 Jackson's tissue forcep, Fig. 7499.	2 Olive tip best web bougies.
1 Jackson's small vulsellum forcep, Fig. 7497.	(These are used instead of sounds in cases of flexions.)
2 Jackson's sponge holders, Fig. 8034.	1 long handled bistoury, Fig. 7974.
3 Jackson's applicators, Fig. 7302.	1 Doz. tupello tents, assorted.
1 Jenks' scissors, Fig. 7603.	1 Bottle assorted catgut Ligature.
1 Buttle's scarificator, Fig. 7274.	3 Cards braided silk, Nos. 10, 12 and 14.
2 Jackson's cervical needles, Fig. 8256.	1 Doz. assorted cervical and perineum needles.
1 Thomas' blunt curette, large, Fig. 7865.	

In addition to these the operator should provide himself with absorbent cotton, antiseptic sponges, glycerine, vaseline, Churchill's solution of Iodine and a solution of alum in glycerine and water, one part to eight. The small instruments in a roll-up pouch and all in a substantial instrument bag.....\$33 00



GYNECOLOGICAL INSTRUMENTS.

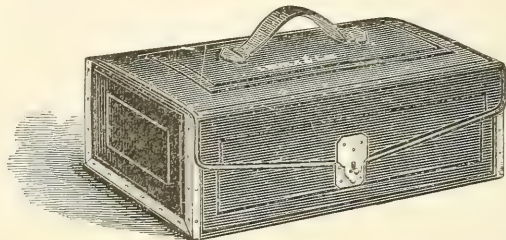


Fig. 6995. Truax, Greene & Co.'s Gynecological Case, closed; price, without instruments, \$8.00.

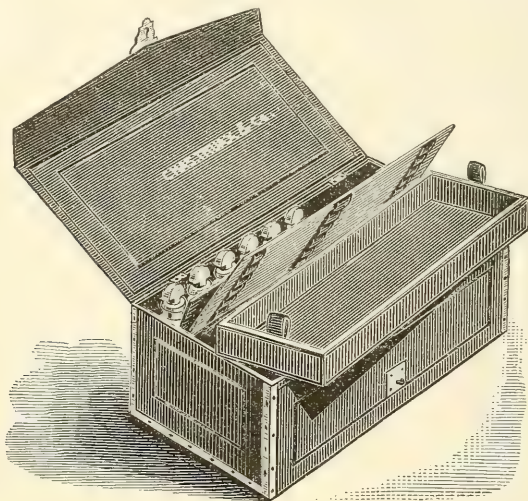


Fig. 6996. Truax, Greene & Co's Gynecological Case, open; price, without instruments, \$8.00.
TRUAX, GREENE & CO'S GYNECOLOGICAL CASE, complete.

- | | |
|---|--|
| 1 Jackson's speculum, Fig. 7110. | 1 Silver probe, Fig. 7292. |
| 1 Sims' speculum, Fig. 7003. | 1 Hard rubber probe. |
| 1 Glass speculum, Fig. 7059. | 1 Whalebone applicator. |
| 1 Fitch's sound, Fig. 7281. | 1 Emmet's applicator, Fig. 7303. |
| 1 Byford's dressing forcep, Fig. 7482. | 2 Sponge holders, Fig. 8035. |
| 1 Straight scissors, Fig. 7586. | 2 Kelly's tenaculums, Fig. 7340. |
| 1 Scissors, curved on the flat, Fig. 7580. | 1 Sims' sigmoid catheter, Fig. 7823. |
| 1 Self-seizing forcep, Fig. 7519. | 1 Sims' pulley, Fig. 7334. |
| 1 Sims' wire adjuster, Fig. 7332. | 1 Nott's depressor, Fig. 7258. |
| 4 Assorted uterine knives. | 1 Sims' blunt hook, Fig. 7336. |
| 1 Wire twisting forcep, Fig. 7527. | 1 Truax' perfected needle holder, F. 1252. |
| 1 Tent expeller, Fig. 7768. | 1 Set Truax' uterine needles, Fig. 8245. |
| 1 Byford's curette, Fig. 7898. | 1 Doz. uterine needles, assorted. |
| 1 Sims' sharp curette, Fig. 7871. | 1 Set Miller's uterine elevators, Fig. 7690. |
| 1 Nelson's uterine dilator, Fig. 7741. | 1 Jackson's tissue forcep, Fig. 7499. |
| 2 Jackson needles, Fig. 8256. | 1 heavy polypus forcep, Fig. 7407. |
| 1 Doz. Elm tents, assorted, see page 1501; 2 Coils of silver wire and Absorbent cotton, all in a Truax, Greene & Co's Gynecological Case, Fig. 6996.....\$55 00 | |

Parties desiring to purchase only a portion of the above set will be allowed the same prices on their orders as if they purchased the entire case.



GYNECOLOGICAL INSTRUMENTS.

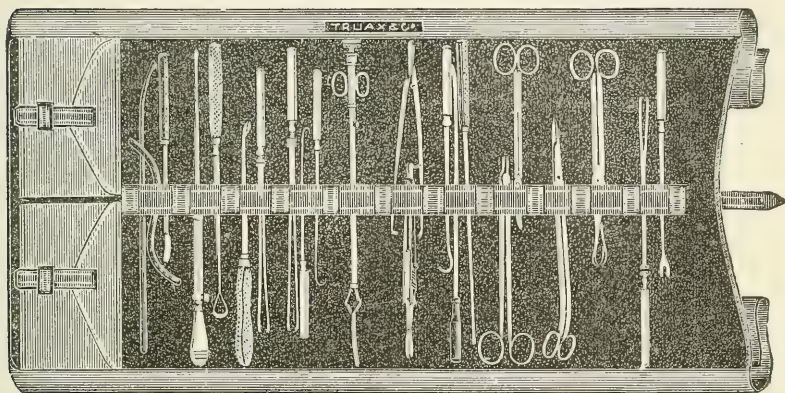


Fig. 6993.

This illustration shows the small instruments only; the Speculums and Retractors can be carried in the instrument bag with this pouch.

DR. BYFORD'S GYNECOLOGICAL CASE, Consisting of

- | | |
|---|---|
| 2 Higbee's speculums, large, medium and small, Fig. 7079. | 2 Curved serresfins. |
| 1 Sims' speculum, with one broad blade, Fig. 7006. | 1 Byford's needle holder, Fig. 1254. |
| 1 Sims' wire adjuster, Fig. 7332. | 1 Plain tissue forcep, Fig. 7517. |
| 1 Emmet's plain silver applicator, same as Fig. 7303, without sheath. | 1 Emmet's twisting forcep, Fig. 7527. |
| 1 Byford's blunt hook, Fig. 7328. | 1 Byford's medium vulsellum forceps, Fig. 7378. |
| 1 Sims' sigmoid catheter, hard rubber, Fig. 7823. | 1 Uterine knife, Fig. 7974. |
| 1 Byford's curette, Fig. 7898. | 1 Sims' Probe, Fig. 7292. |
| 1 Sims' sharp curette, Fig. 7871. | 1 Hard rubber probe, Fig. 7265. |
| 1 Jackson's retractor, Fig. 7153. | 1 Byford's scissors, Fig. 7595. |
| 1 Nelson's uterine dilator, Fig. 7741. | 1 Fitch's sound, Fig. 7281. |
| 1 Byford's dressing forcep, Fig. 7482. | 3 Emmet's sponge holders, Fig. 8028. |
| 1 Straight serrisfin. | 2 Sims' tenaculums, Fig. 7338 D. |
| | 12 Elm tents, assorted, straight, curved and hollow. See page 1501. |
| | 12 Needles, assorted for uterine work. |

The small instruments in a neat roll-up pouch and all in a good quality instrument bag\$42 50

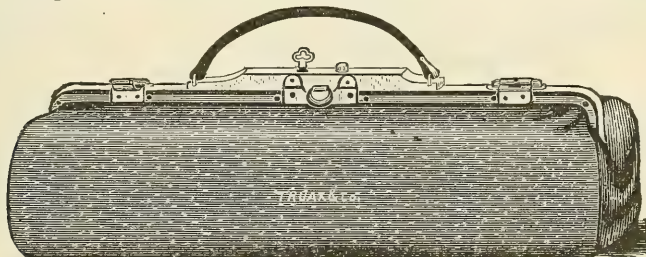


Fig. 6994. Surgical Instrument Bag. For prices and sizes, see page 1532.

HAS TRUAX & CO GREENE & CO

GYNECOLOGICAL INSTRUMENTS.



Fig. 7006. Sim's Medium Speculum, Aseptic, \$1.00. See page 1451.

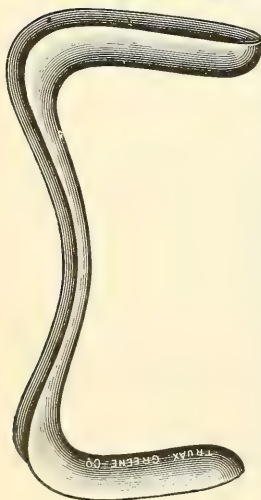


Fig. 7008. Sim's Large Speculum, Aseptic, \$1.00. See page 1451.

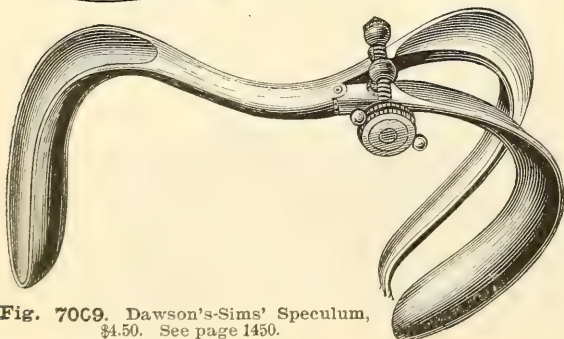


Fig. 7009. Dawson's-Sims' Speculum, \$4.50. See page 1450.

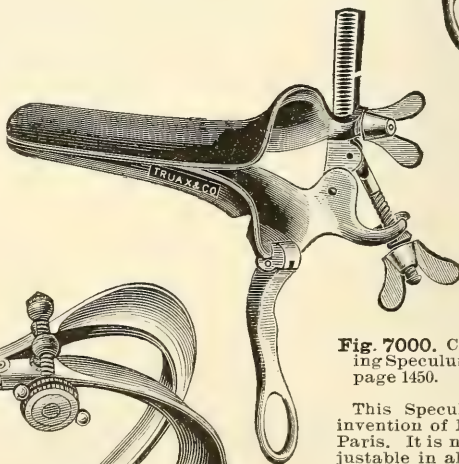
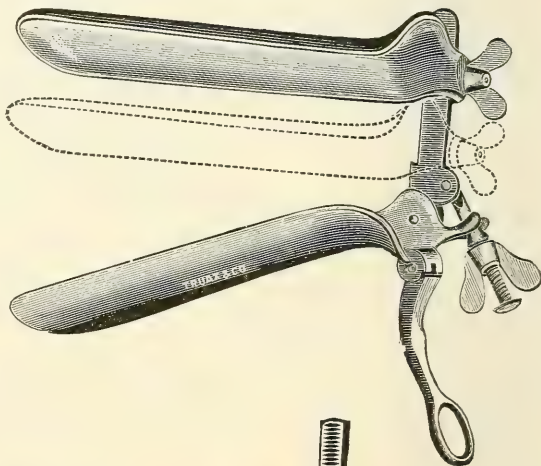
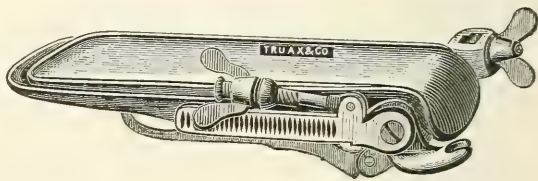


Fig. 7000. Collin's Folding Speculum, \$4.00. See page 1450.

This Speculum is the invention of M. Collin, of Paris. It is not only adjustable in all its parts, but it may be folded in small space for transportation. It will pass under the fold of an instrument loop or be carried in a pocket without inconvenience.

HAS TRUAX & CO GREENE

GYNECOLOGICAL INSTRUMENTS.

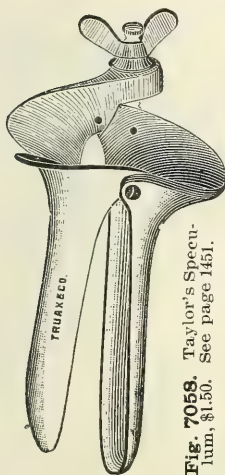
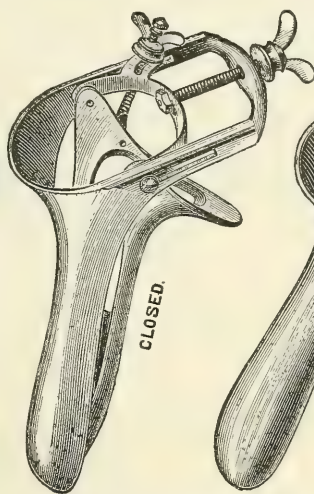
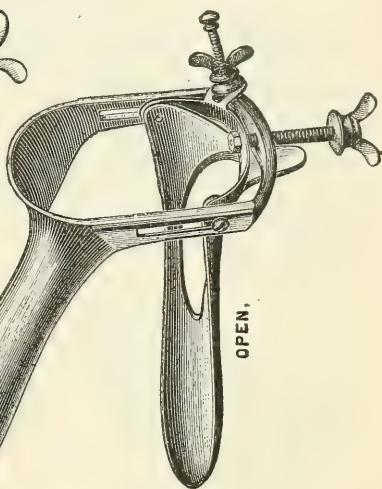


Fig. 7058. Taylor's Speculum, \$1.30. See page 1451.



CLOSED.



OPEN.

Fig. 7050. Hale's Speculum, \$1.75. See page 1450.

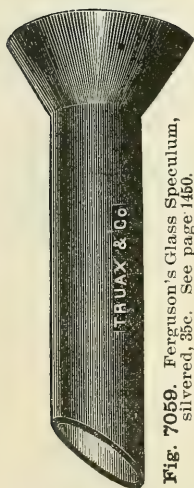


Fig. 7059. Ferguson's Glass Speculum, silvered, 35c. See page 1450.

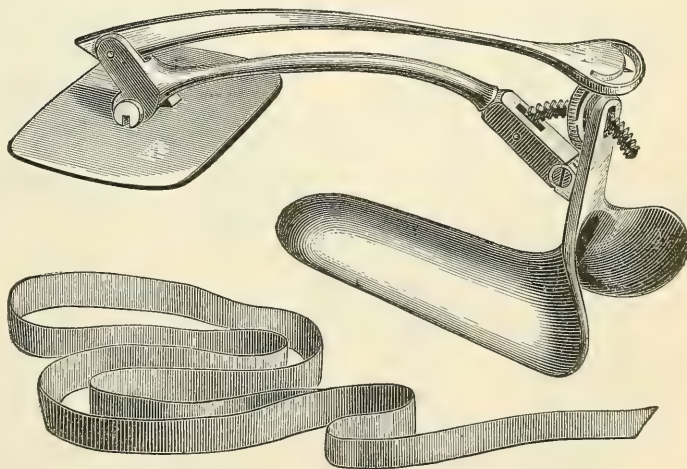


Fig. 7052. Hunter's-Erich's Speculum, \$6.75. See page 1450.

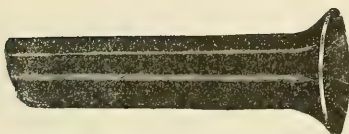


Fig. 7056. Ferguson's Hard Rubber Speculum, 75c. See page 1450.

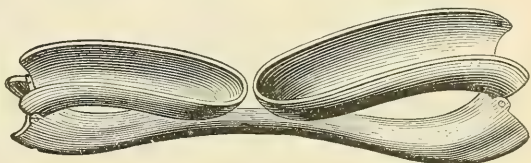


Fig. 7054. Sim's Folding Speculum, \$4.00. See page 1451.

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GYNECOLOGICAL INSTRUMENTS.

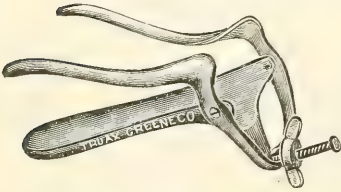


Fig. 7068. Nott's Small Speculum, \$1.75. See page 1451.

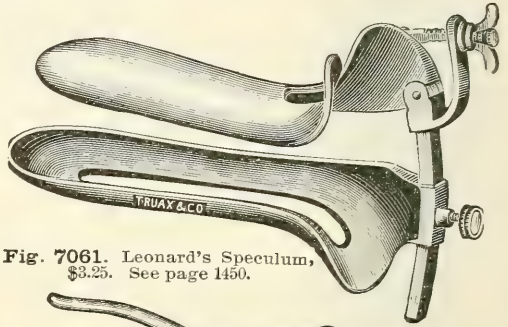


Fig. 7061. Leonard's Speculum, \$3.25. See page 1450.

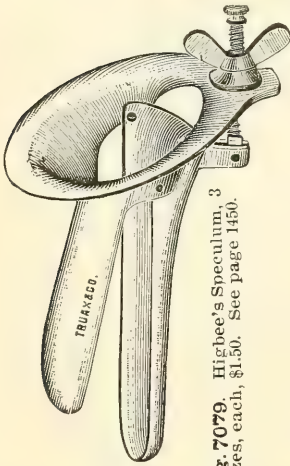


Fig. 7079. Higbee's Speculum, 3 sizes, each, \$1.50. See page 1450.

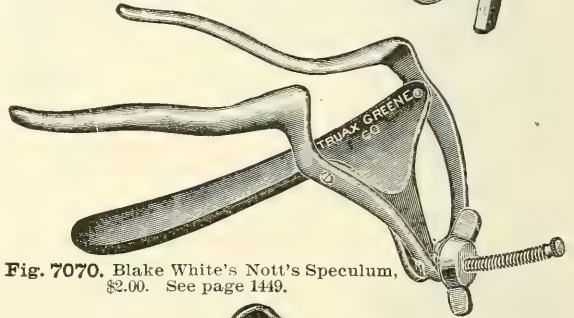


Fig. 7070. Blake White's Nott's Speculum, \$2.00. See page 1449.

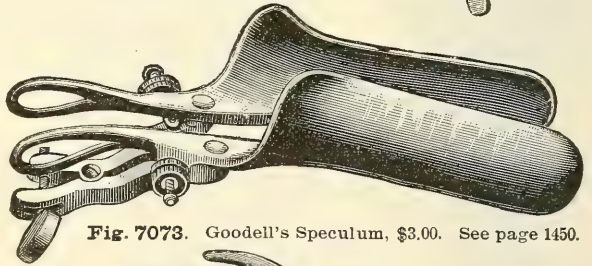


Fig. 7073. Goodell's Speculum, \$3.00. See page 1450.

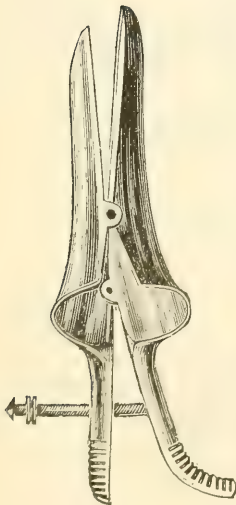


Fig. 7077. Record's Speculum, \$2.00. See page 1451.

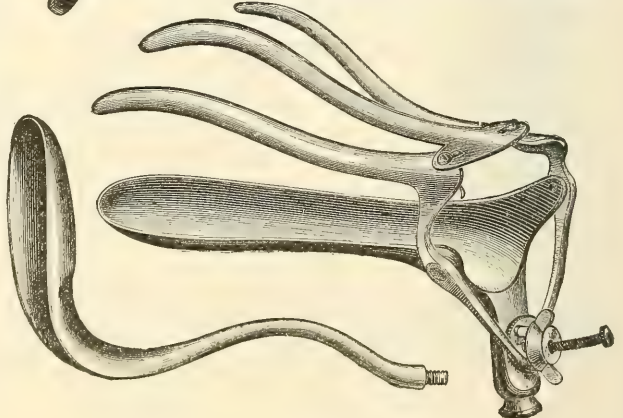


Fig. 7075. Jenks' Speculum, \$6.00. See page 1450.

CHAS. TRUAX & CO. GREENE & CO.

GYNECOLOGICAL INSTRUMENTS.

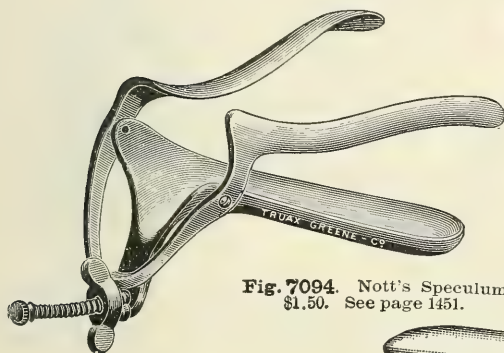


Fig. 7094. Nott's Speculum,
\$1.50. See page 1451.

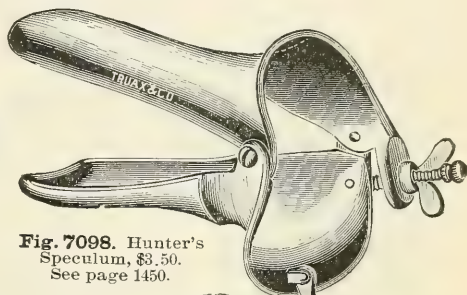


Fig. 7098. Hunter's
Speculum, \$3.50.
See page 1450.

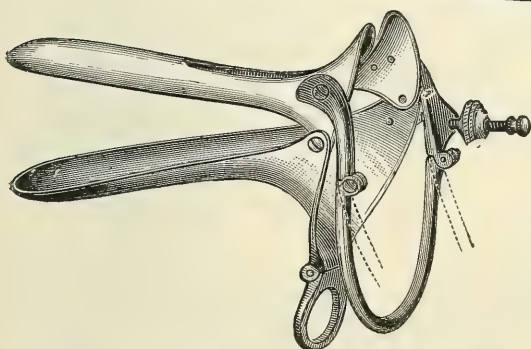


Fig. 7104. Howard's Speculum, \$2.00. See page 1450.

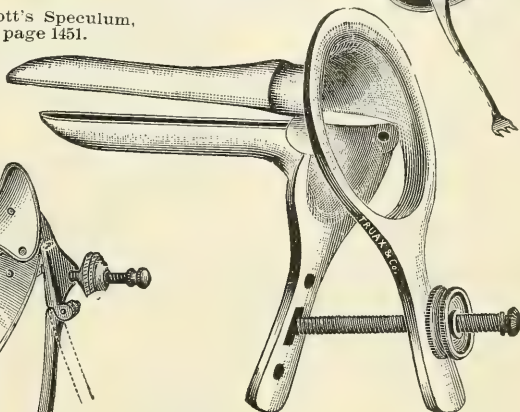


Fig. 7100. McNutt's (San Francisco)
Speculum, \$2.50. See page 1450.

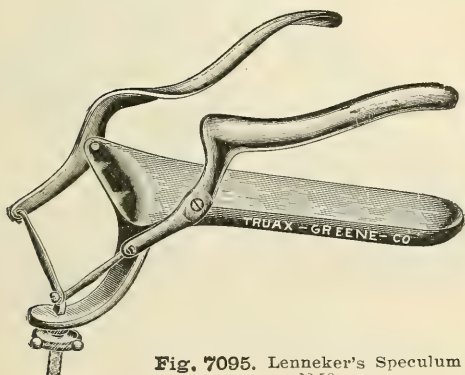


Fig. 7095. Lennaker's Speculum
\$2.50.

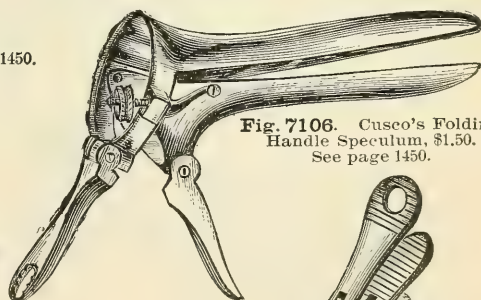


Fig. 7106. Cusco's Folding
Handle Speculum, \$1.50.
See page 1450.

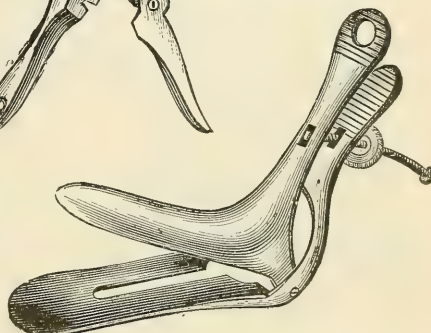


Fig. 7109. Thomas' Cusco's Speculum,
\$2.00. See page 1451.

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GYNECOLOGICAL INSTRUMENTS.

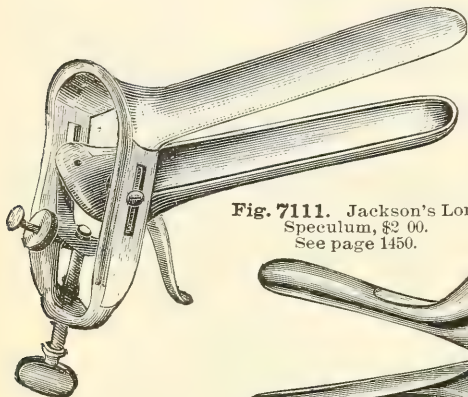


Fig. 7111. Jackson's Long Speculum, \$2.00. See page 1450.

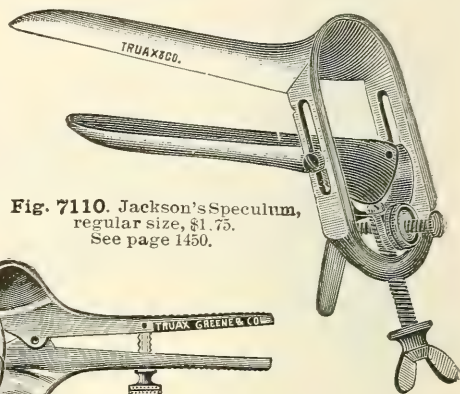


Fig. 7110. Jackson's Speculum, regular size, \$1.75. See page 1450.

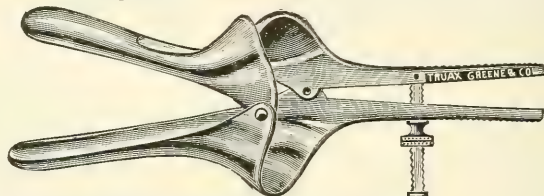


Fig. 7112. Miller's Speculum, 3 sizes, each \$1.50. See page 1450.

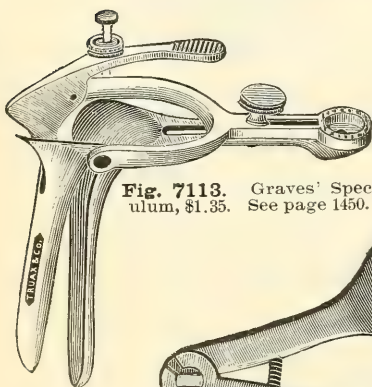


Fig. 7113. Graves' Speculum, \$1.35. See page 1450.

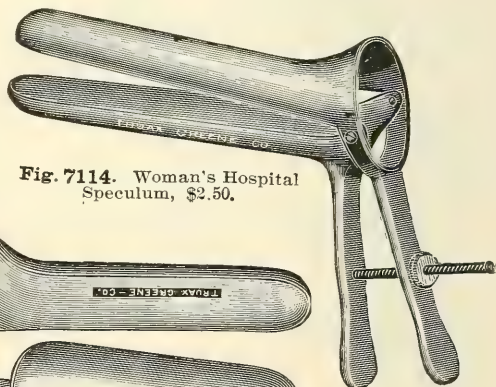


Fig. 7114. Woman's Hospital Speculum, \$2.50.

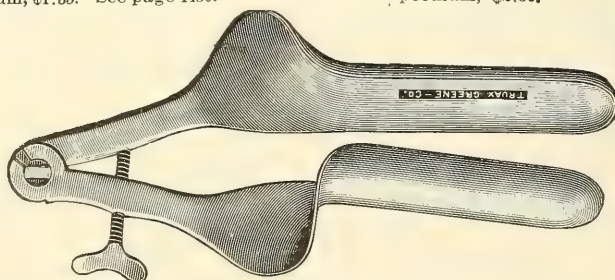


Fig. 7117. Landau's Aseptible Speculum, \$3.25. See page 1450.

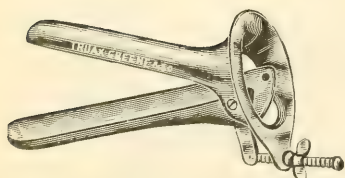


Fig. 7116. Higbee's Small Speculum, \$1.50. See page 1450.

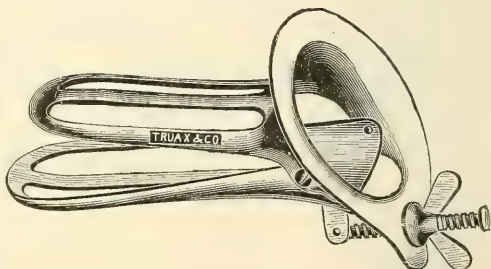


Fig. 7115. Ethridge's Speculum, \$1.75. See page 1450.



GYNECOLOGICAL INSTRUMENTS.

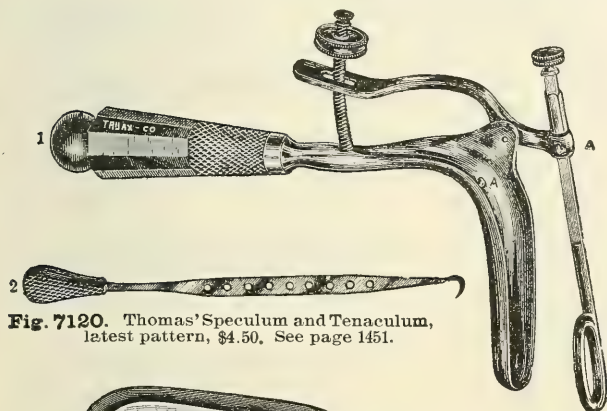


Fig. 7120. Thomas' Speculum and Tenaculum, latest pattern, \$4.50. See page 1451.

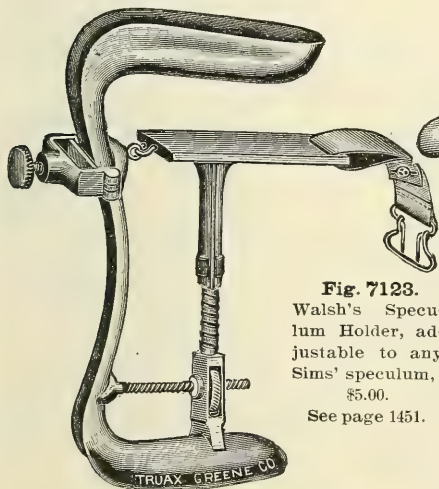


Fig. 7123.
Walsh's Speculum Holder, adjustable to any Sims' speculum, \$5.00.
See page 1451.

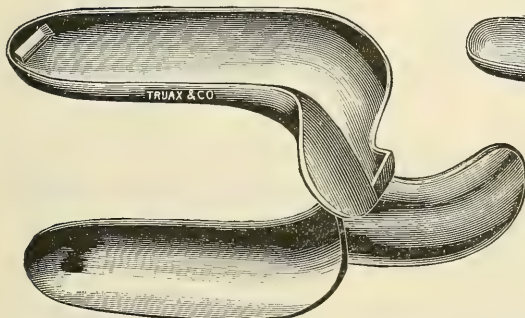


Fig. 7126. Cleveland's Speculum, with belt, \$2.50. See page 1450.

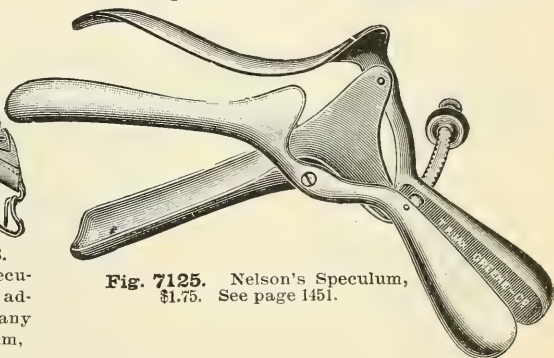


Fig. 7125. Nelson's Speculum, \$1.75. See page 1451.

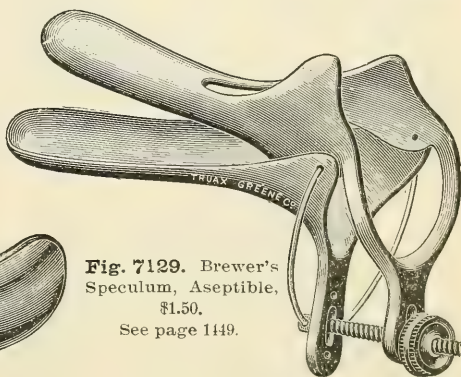


Fig. 7129. Brewer's Speculum, Aseptic, \$1.50.
See page 1449.

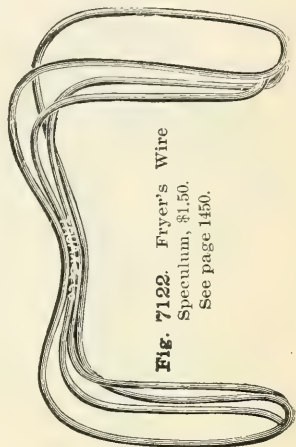


Fig. 7122. Fryer's Wire Speculum, \$1.50. See page 1450.



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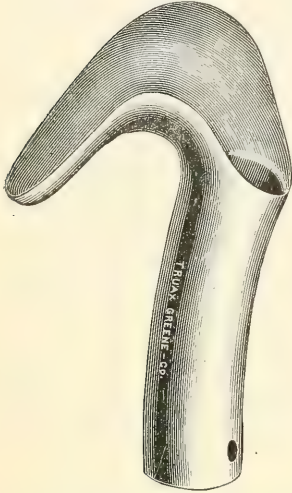


Fig. 7130. Edeboh's Speculum, Aseptic, \$4.00. See page 1950.

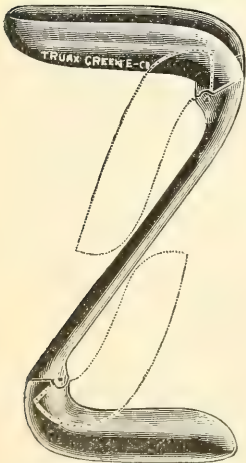


Fig. 7132. C. K. Flemming's Folding Sims Speculum, \$4.00. See page 1450.

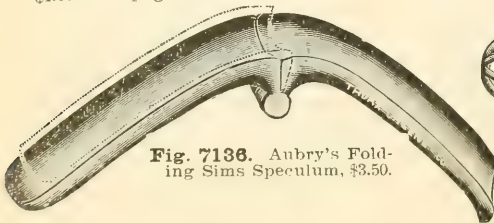


Fig. 7136. Aubry's Folding Sims Speculum, \$3.50.

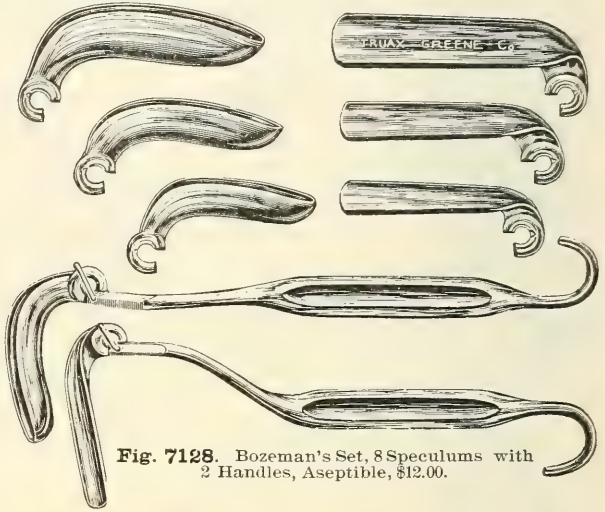


Fig. 7128. Bozeman's Set, 8 Speculums with 2 Handles, Aseptic, \$12.00.

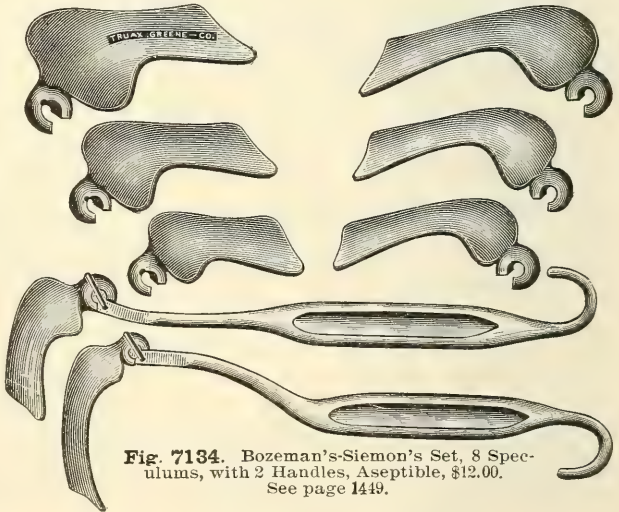


Fig. 7134. Bozeman's-Siemon's Set, 8 Speculums, with 2 Handles, Aseptic, \$12.00. See page 1449.

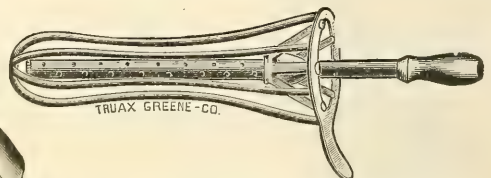


Fig. 7138. Bath Speculum, French Model, easily cleaned, \$1.50. See page 1449.

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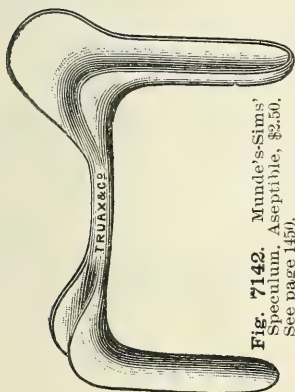


Fig. 7142. Munde's-Sims' Speculum, Aseptic, \$2.50. See page 1450.

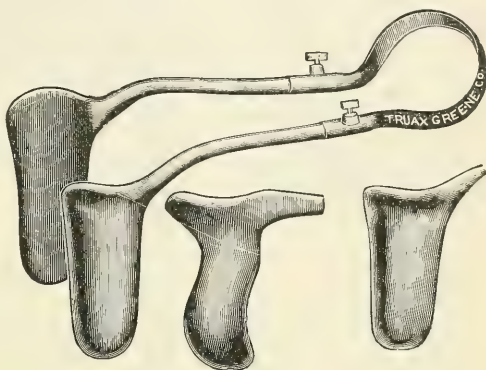


Fig. 7144. Breu's Speculum, with 2 pairs blades, \$5.00.

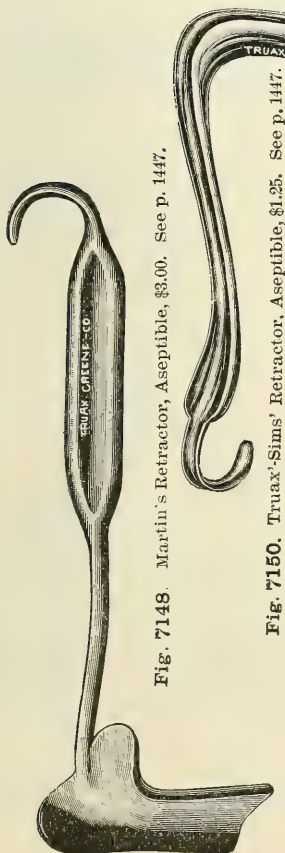


Fig. 7148. Martin's Retractor, Aseptic, \$3.00. See p. 1447.

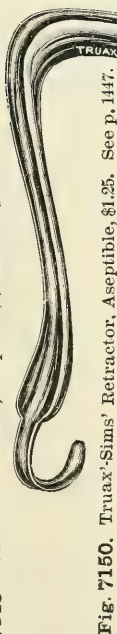


Fig. 7150. Truax-Sims' Retractor, Aseptic, \$1.25. See p. 1447.

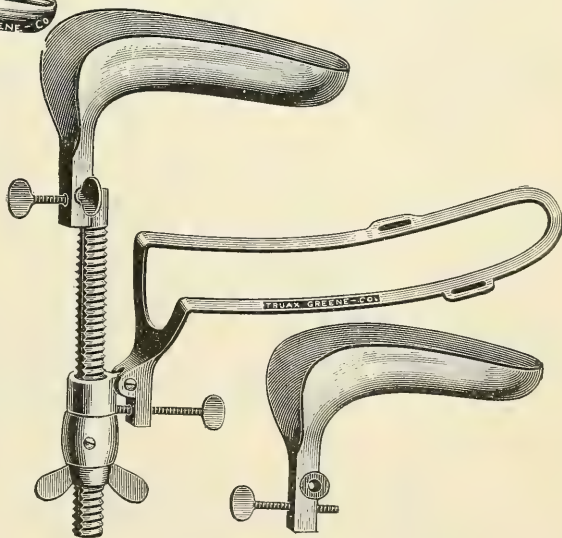


Fig. 7146. Spencer Wells' Self-retaining Sims' Speculum, with 3 blades, \$15.00. See page 1451.

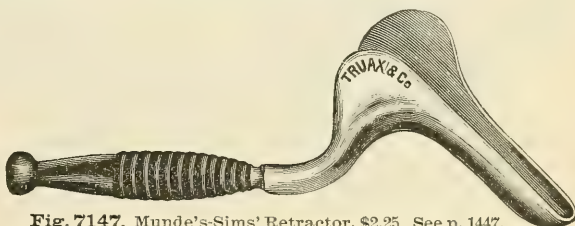


Fig. 7147. Munde's-Sims' Retractor, \$2.25. See p. 1447.

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Fig. 7154. Belfield's Retractor, Aseptible, \$1.00. See page 1447.

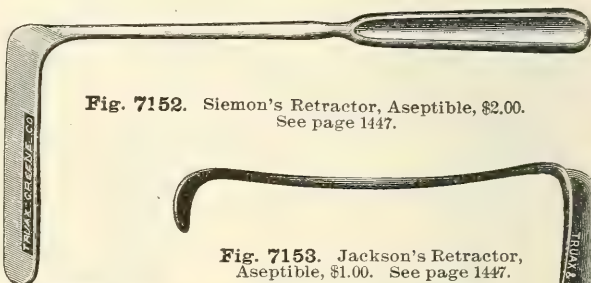


Fig. 7152. Siemon's Retractor, Aseptible, \$2.00. See page 1447.

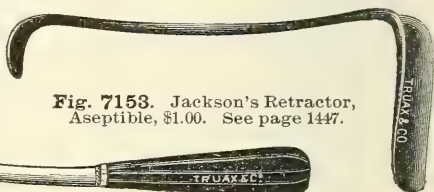


Fig. 7153. Jackson's Retractor, Aseptible, \$1.00. See page 1447.

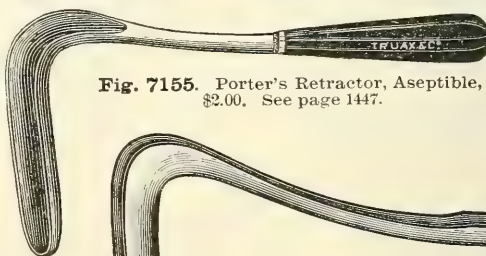


Fig. 7155. Porter's Retractor, Aseptible, \$2.00. See page 1447.

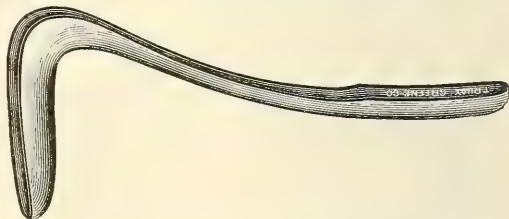


Fig. 7158. Kristeller's Retractor, Aseptible, \$1.25; Aluminum, \$1.75. See page 1447.

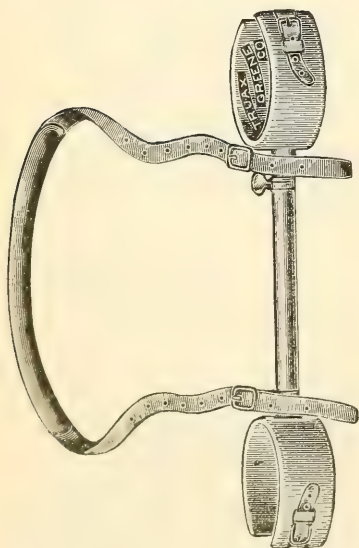


Fig. 7159. Clover's Perineal Crutch, \$9.00. See page 1436.

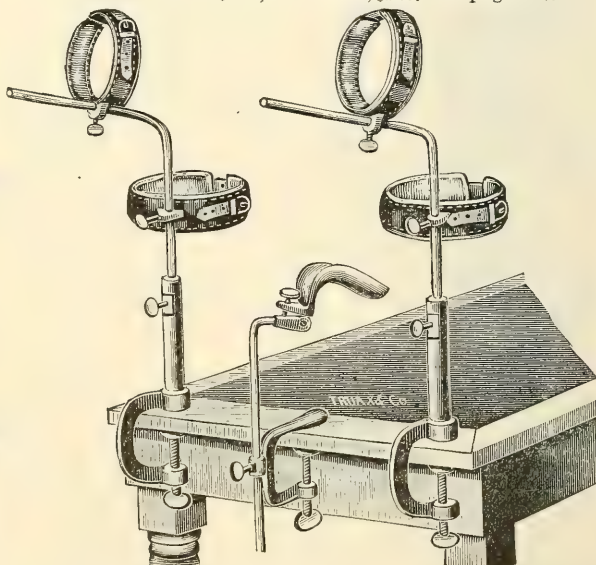


Fig. 7161. Comstock's Gynapod, \$15.00; with Speculum, \$18.75. See page 1442.

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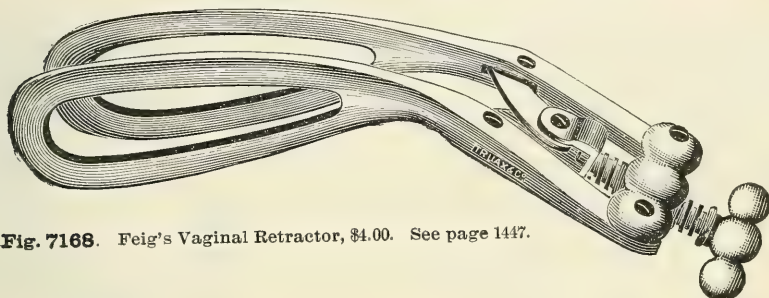


Fig. 7168. Feig's Vaginal Retractor, \$4.00. See page 1447.



Fig. 7170. Elliott's Intra-Uterine Speculum, \$4.75. See page 1449.



Fig. 7172. Truax, Greene & Co's Uterine Speculum, \$6.00. See page 1449.

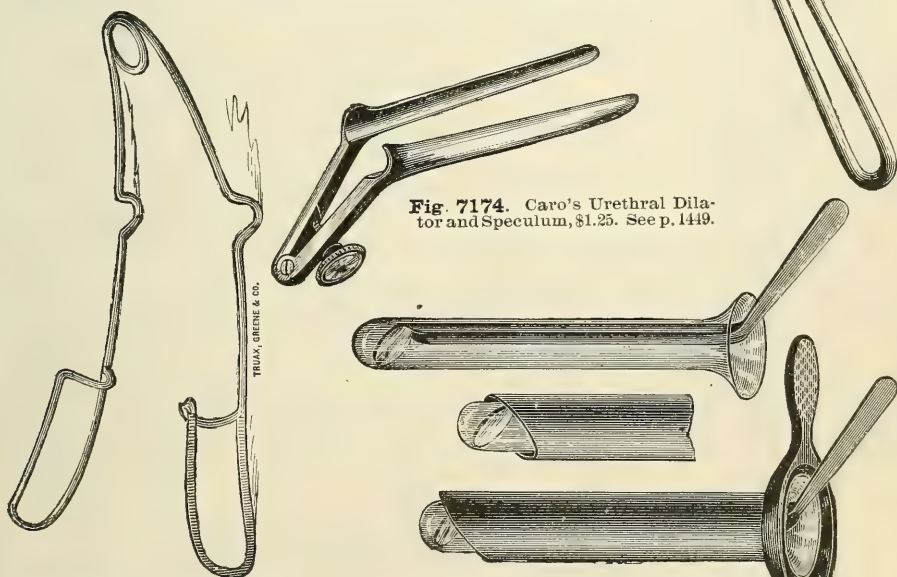


Fig. 7174. Caro's Urethral Dilator and Speculum, \$1.25. See p. 1449.

Fig. 7178. Labia Speculum, Aseptible, \$1.50. See page 1449.

Fig. 7176. Skene's Endoscope, each \$2.25. See page 1439.

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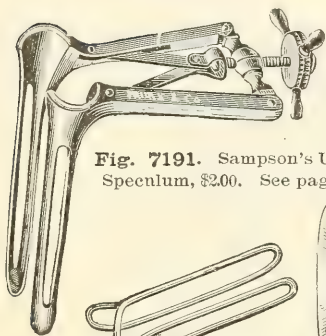


Fig. 7191. Sampson's Urethral Speculum, \$2.00. See page 1449.



Fig. 7193. Skene's Urethral Speculum, \$1.90. See page 1449.

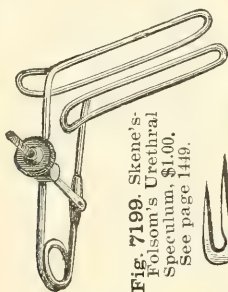


Fig. 7199. Skene's-Kolson's Urethral Speculum, \$1.00. See page 1449.

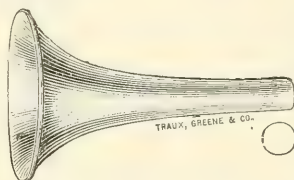


Fig. 7195. Plain Urethral Speculum, 35c. See page 1449.



Fig. 7197. Jackson's Urethral Speculum, 3 sizes, each 75 to 85c. See page 1449.

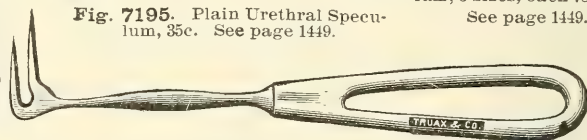


Fig. 7201. Bilioth's 2-prong Retractor, Aseptible, \$1.50. See page 1062.

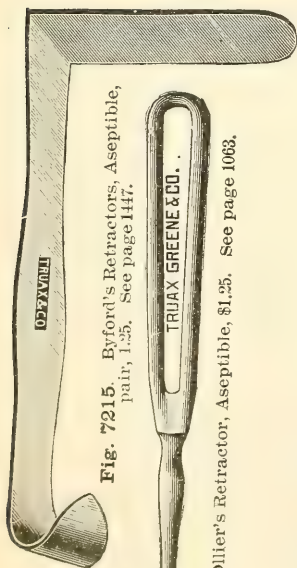


Fig. 7215. Byford's Retractors, Aseptible, pair, 1.25. See page 1447.

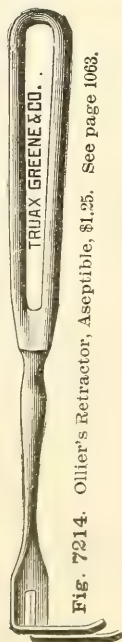


Fig. 7214. Ollier's Retractor, Aseptible, \$1.25. See page 1063.



Fig. 7203. Bilioth's 3-prong Retractor, Aseptible, \$1.75. See page 1062.



Fig. 7205. Stout Single Hook, Aseptible, \$1.25. See page 1060.



Fig. 7207. Volkman's 2-prong Retractor, Aseptible, \$1.25. See page 1063.



Fig. 7209. Volkman's 3-prong Retractor, Aseptible, \$1.50. See page 1063.

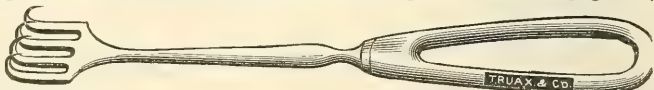


Fig. 7211. Volkman's 4-prong Retractor, Aseptible, \$1.75. See page 1063.



Fig. 7213. Volkman's 6-prong Retractor, Aseptible, \$2.00. See page 1063.

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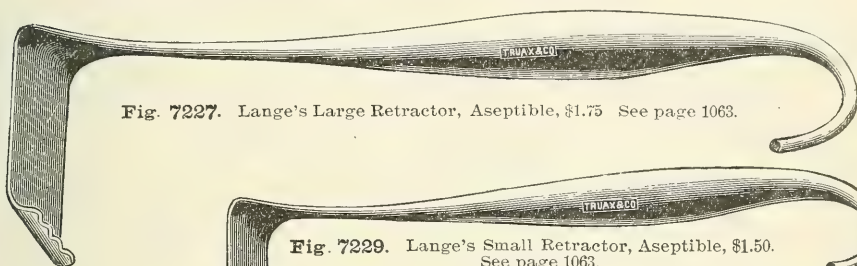


Fig. 7227. Lange's Large Retractor, Aseptible, \$1.75 See page 1063.

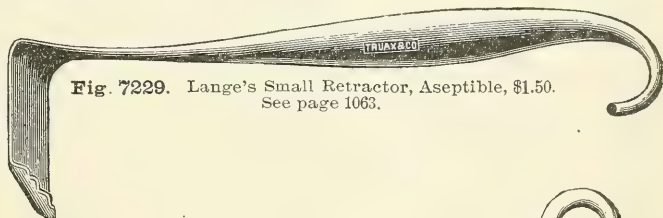


Fig. 7229. Lange's Small Retractor, Aseptible, \$1.50. See page 1063.

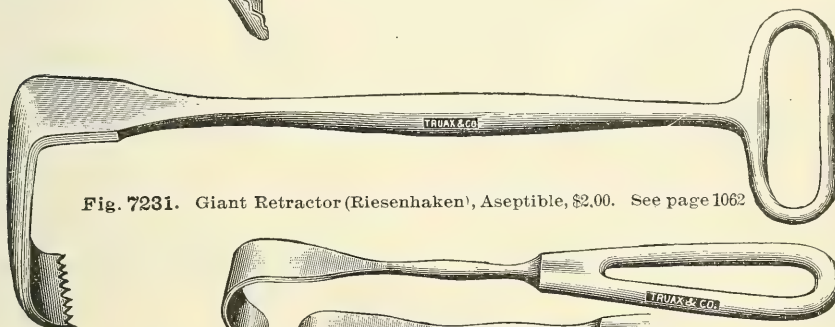


Fig. 7231. Giant Retractor (Riesenhaken), Aseptible, \$2.00. See page 1062

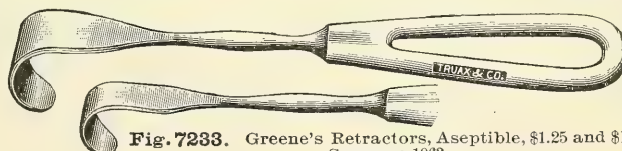


Fig. 7233. Greene's Retractors, Aseptible, \$1.25 and \$1.10. See page 1063.

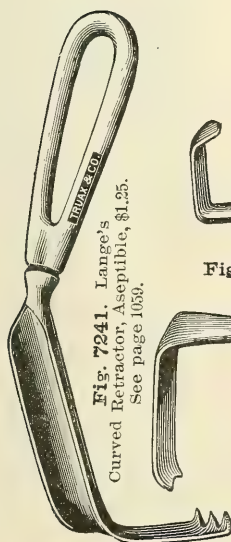


Fig. 7241. Lange's Curved Retractor, Aseptible, \$1.25. See page 1059.



Fig. 7235. Langenbeck's Sharp Point Retractor, Aseptible, \$1.50. See page 1063.



Fig. 7237. Langenbeck's Blunt Retractor, Aseptible, \$1.50. See page 1063.

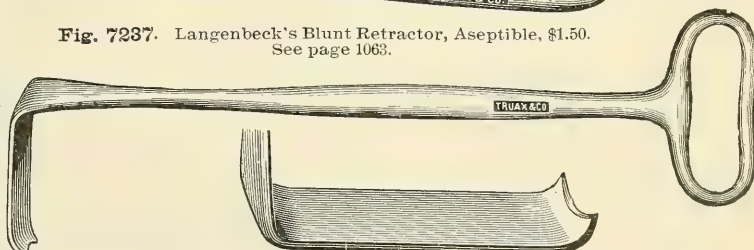


Fig. 7239. Hagedorn's Retractor, Aseptible, \$1.50. See page 1063.

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Fig. 7249. Thomas' Cupper, Aseptible, \$1.00. See page 1436.



Fig. 7250. Hunter's Depressor, Aseptible, \$1.00. See page 1437.



Fig. 7253. Bozeman's Urethral and Perineal Depressor, Aseptible, \$1.90. See page 1437.



Fig. 7254. Sims' Double End Depressor, 75c. See page 1437.



Fig. 7256. Sims' Single End Depressor, Aseptible, 75c. See page 1437.



Fig. 7258. Nott's Depressor, Aseptible, 75c. See page 1437.



Fig. 7257. Mitchell's Applicator, \$1.25. See page 1435.

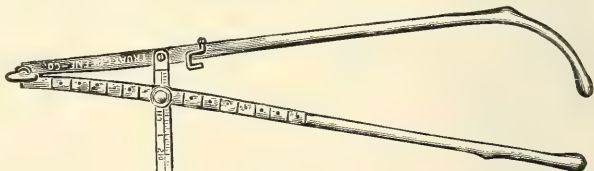


Fig. 7251. Kustner's Pelvimeter, \$6.00. See page 964.

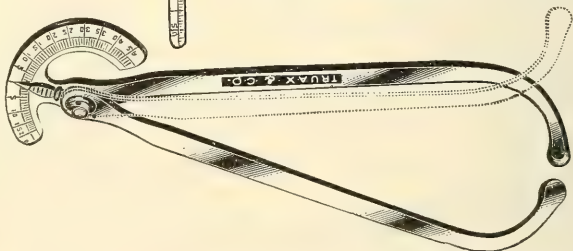


Fig. 7252. Collins' Pelvimeter, \$6.00. See page 964.



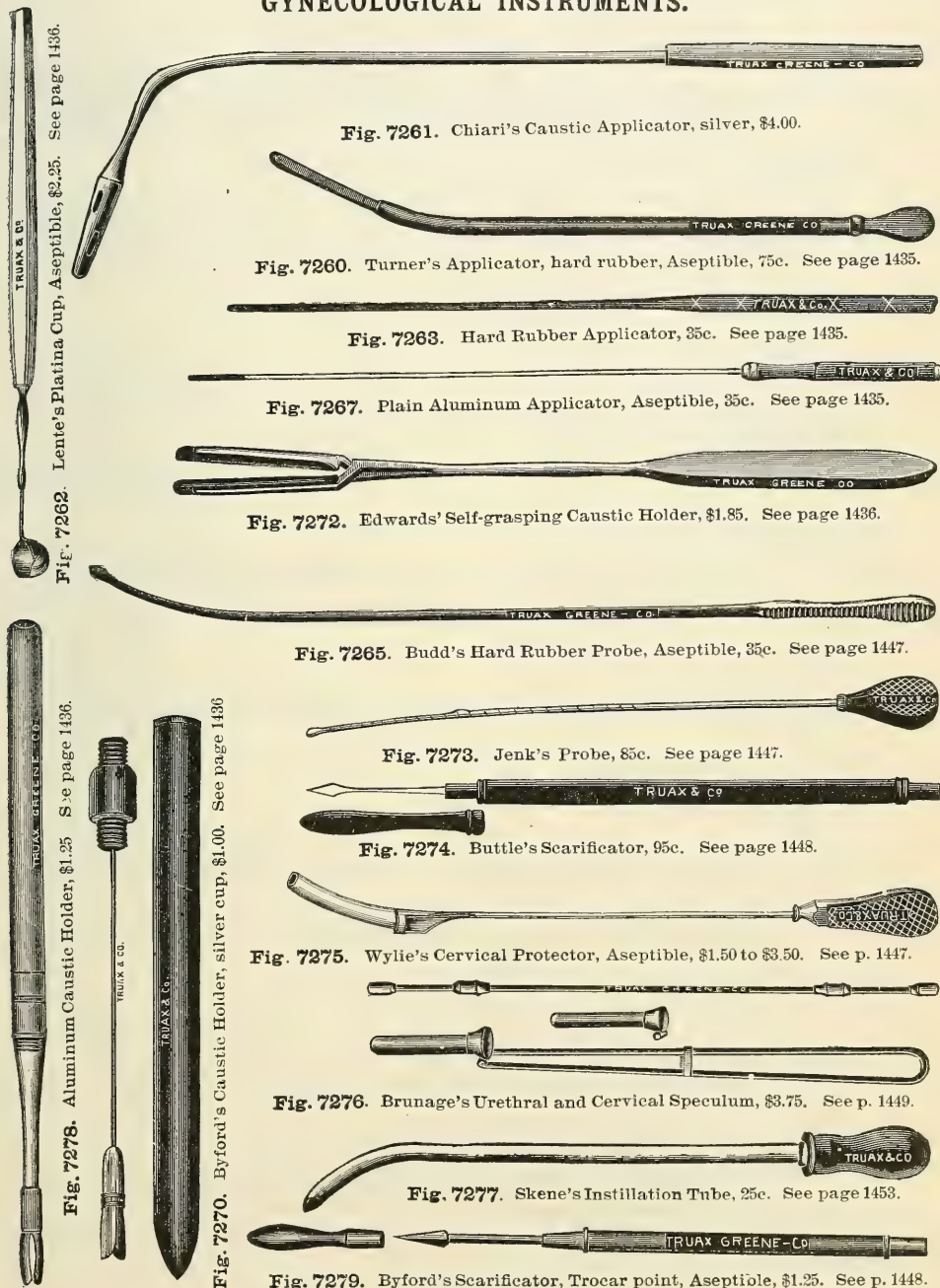
Fig. 7255. Whitney's Depressor, Aseptible, \$1.30. See page 1437.



Fig. 7259. French Tampon and Carrier (6 tampons and 1 carrier), 50c. See page 1452.



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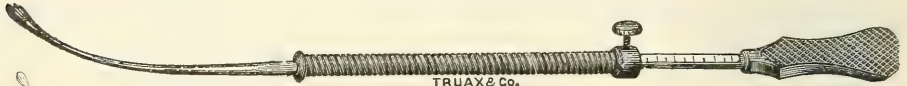


Fig. 7281. Fitch's Sound, \$1 00. See page 1449.

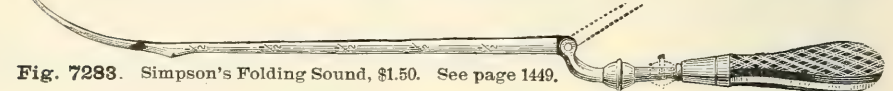


Fig. 7283. Simpson's Folding Sound, \$1.50. See page 1449.

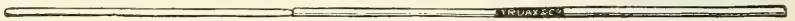


Fig. 7302. Jackson's Copper Applicator, 25c. See page 1435.

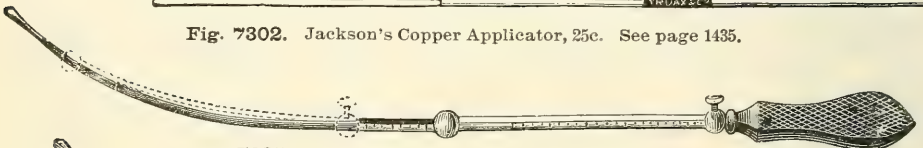


Fig. 7285. Gidding's Sound, \$1.25. See page 1449.

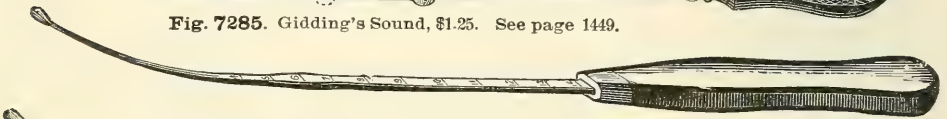


Fig. 7287. Hunter's Sliding Sound, \$1.25. See page 1449.



Fig. 7289. Simpson's Sound, Aseptic, best quality, 65c. See page 1449.



Fig. 7291. Sims' Sound, Aseptic, best quality, 50c. See page 1449.



Fig. 7293. Jenk's Sound, \$1.75. See page 1449.



Fig. 7296. Playfair's Aluminum Probe and Applicator, Aseptic \$1.25. See p. 1435.



Fig. 7292. Sim's Silver Uterine Probe, 85c. See page 1447.



Fig. 7294. Lee's Long Half-Curved Granule Applicator (Uterine), \$1.50.



Fig. 7303. Emmet's Silver or Aluminum Applicator, Aseptic, 45c. to \$1.00. See page 1435.



Fig. 7304. Emmet's Plain Silver or Aluminum Applicator, Aseptic, 35c. to 90c.



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Fig. 7316. Hard Rubber Swab, Aseptible, 40c. See page 1452.



Fig. 7318. Sim's Tamponing Screw, Aseptible, \$1.00. See page 1452.



Fig. 7320. Wylie's Counter Pressure Hook, Aseptible, \$1.00. See page 1436.



Fig. 7322. Skene's Counter Pressure Ring, steel, Aseptible, \$1.15. See page 1436.



Fig. 732. McDonald's Counter Pressure Hook, Aseptible, \$1.50. See page 1436.



Fig. 7326. Emmet's Counter Pressure Hook, steel, Aseptible, 95c. See page 1436.



Fig. 7327. Nilson's Counter Pressure Fork and Tjer, Aseptible, \$1.00.



Fig. 7328. Byford's Blunt Hook, steel, Aseptible, \$1.00. See page 1435.



Fig. 7330. Bozeman's Adjuster, Aseptible, \$1.50. See page 1435.



Fig. 7332. Sim's Wire Adjuster, Aseptible, 75c. See page 1435.

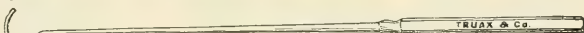


Fig. 7336. Sim's Blunt Hook, Aseptible, 75c. See page 1435.



Fig. 7338. Tenaculums, Aseptible, 75c. to \$1.00. See page 1452.



Fig. 7340. Kelly's Steel Tenaculum, Aseptible, \$1.00. See page 1452.



Fig. 7342. Pratt's Tenaculum, Aseptible, 75c. See page 1452.



Fig. 7347. Hank's Counter Pressure Ring and Tenaculum, Aseptible, \$1.50. See page 1436.



Fig. 7334. Sims' Pulley, Aseptible, 75c. See page 1447.

Fig. 7344. E. C. Dudley's Tenaculum, Aseptible, 75c. See page 1452.



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Fig. 7378. Byford's Medium Vulsellum Forcep, Aseptible, \$2.50.
See page 1442.

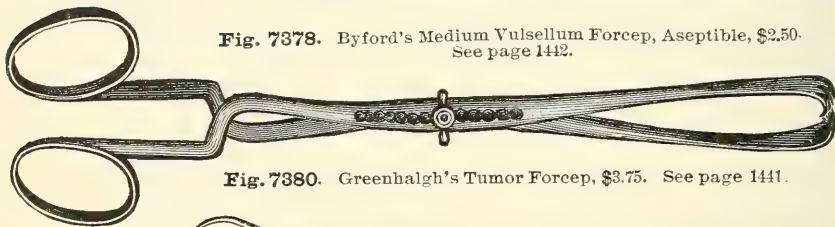


Fig. 7380. Greenhalgh's Tumor Forcep, \$3.75. See page 1441.

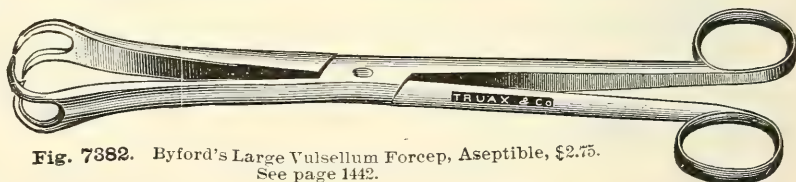


Fig. 7382. Byford's Large Vulsellum Forcep, Aseptible, \$2.75.
See page 1442.

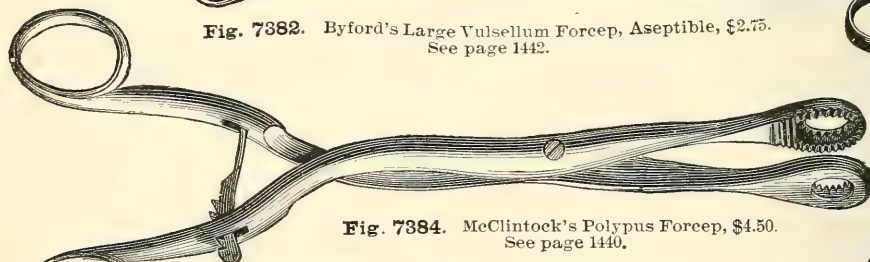


Fig. 7384. McClintock's Polypus Forcep, \$4.50.
See page 1440.

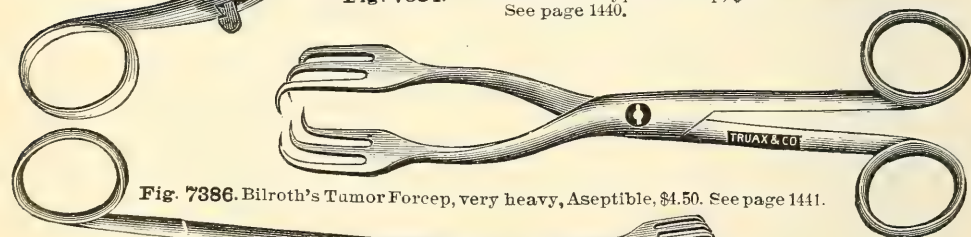


Fig. 7386. Bilioth's Tumor Forcep, very heavy, Aseptible, \$4.50. See page 1441.

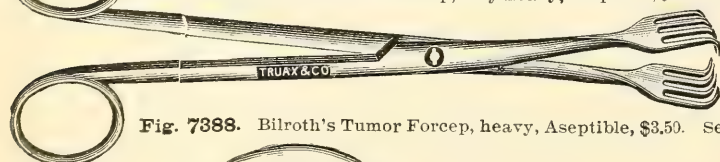


Fig. 7388. Bilioth's Tumor Forcep, heavy, Aseptible, \$3.50. See page 1441.

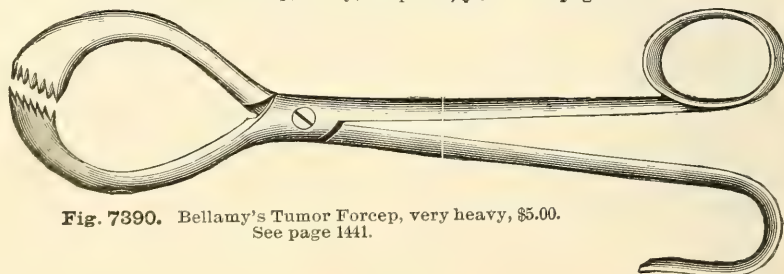


Fig. 7390. Bellamy's Tumor Forcep, very heavy, \$5.00.
See page 1441.



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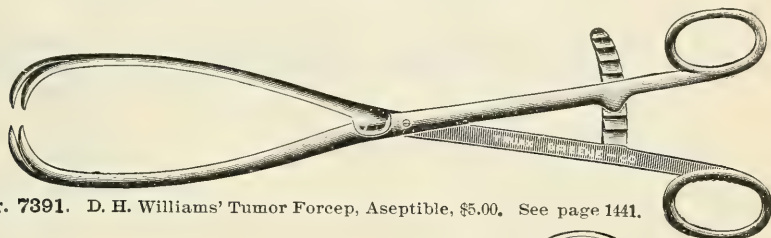


Fig. 7391. D. H. Williams' Tumor Forcep, Aseptible, \$5.00. See page 1441.

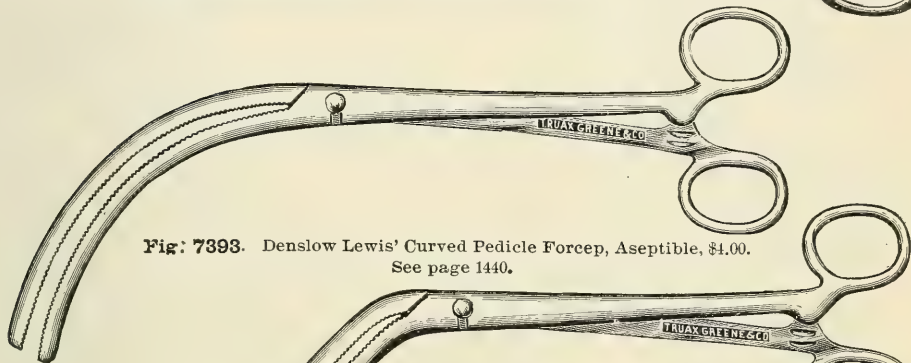


Fig. 7393. Denslow Lewis' Curved Pedicle Forcep, Aseptible, \$4.00.
See page 1440.

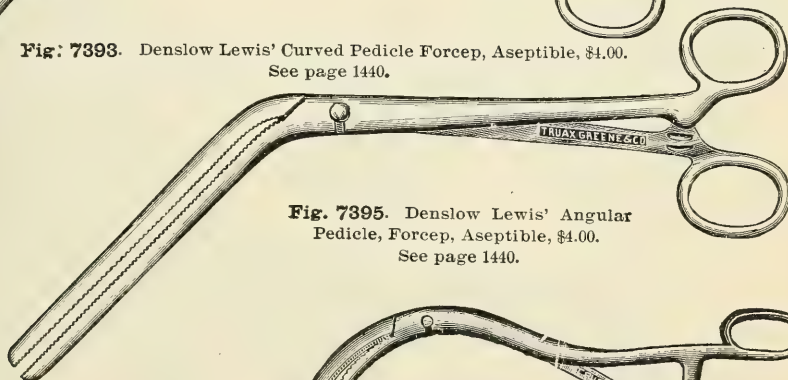


Fig. 7395. Denslow Lewis' Angular Pedicle Forcep, Aseptible, \$4.00.
See page 1440.

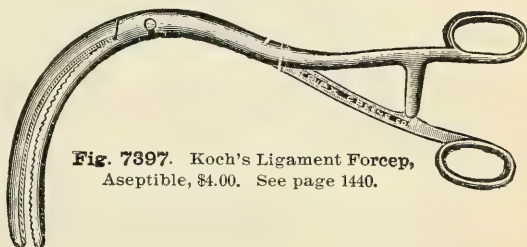


Fig. 7397. Koch's Ligament Forcep, Aseptible, \$4.00. See page 1440.

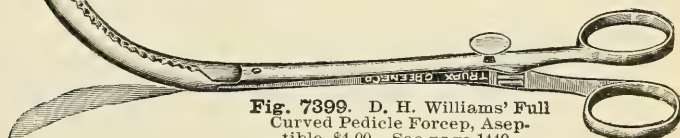


Fig. 7399. D. H. Williams' Full Curved Pedicle Forcep, Aseptible, \$4.00. See page 1440.



Fig. 7400. D. H. Williams' Half Curved Pedicle Forcep, Aseptible, \$4.00. See page 1440.

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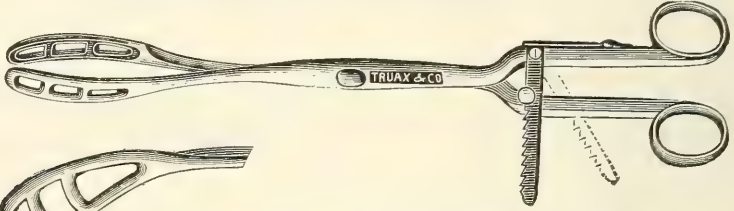


Fig. 7401. Guyon's Tumor Forcep, \$9.00 See page 1441.

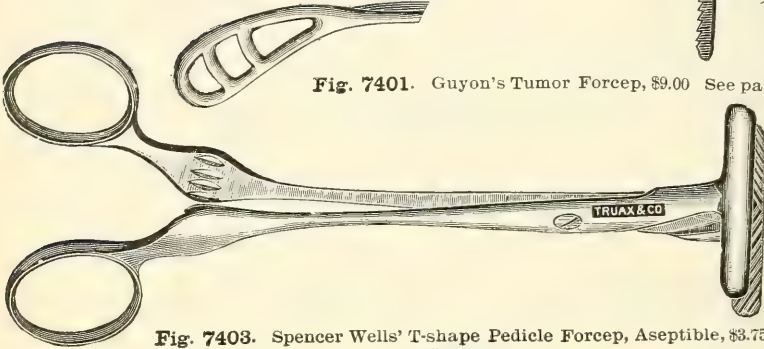


Fig. 7403. Spencer Wells' T-shape Pedicle Forcep, Aseptible, \$3.75. See page 1440.

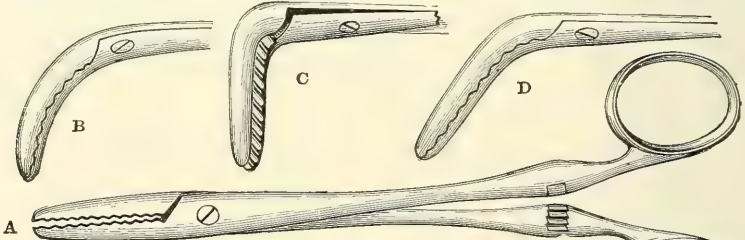


Fig. 7405. Spencer Wells' Pedicle Forcep, Aseptible, each, \$3.50. See page 1440.

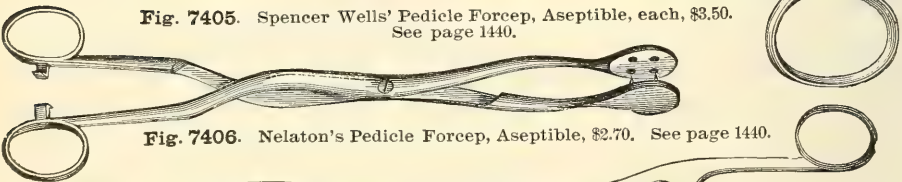


Fig. 7406. Nelaton's Pedicle Forcep, Aseptible, \$2.70. See page 1440.

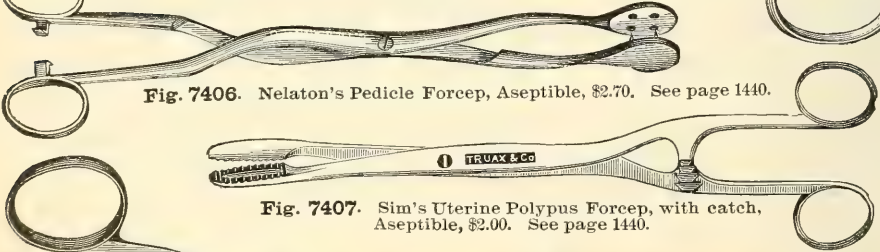


Fig. 7407. Sim's Uterine Polypus Forcep, with catch, Aseptible, \$2.00. See page 1440.

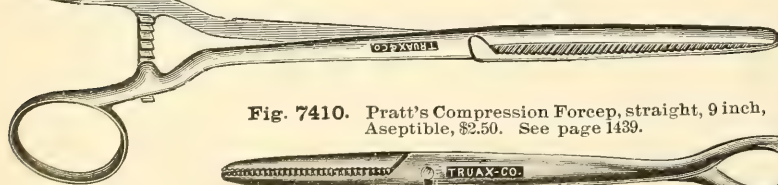


Fig. 7410. Pratt's Compression Forcep, straight, 9 inch, Aseptible, \$2.50. See page 1439.

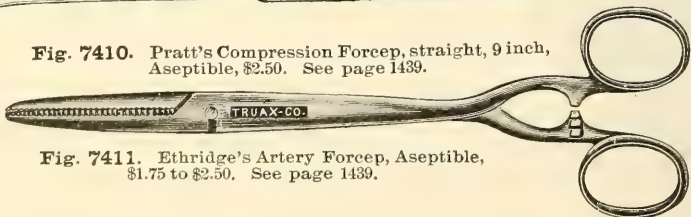


Fig. 7411. Ethridge's Artery Forcep, Aseptible, \$1.75 to \$2.50. See page 1439.

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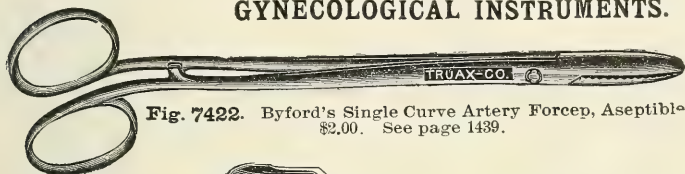


Fig. 7422. Byford's Single Curve Artery Forcep, Aseptible, \$2.00. See page 1439.

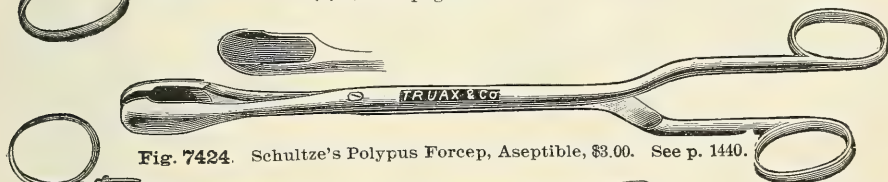


Fig. 7424. Schultze's Polypus Forcep, Aseptible, \$3.00. See p. 1440.

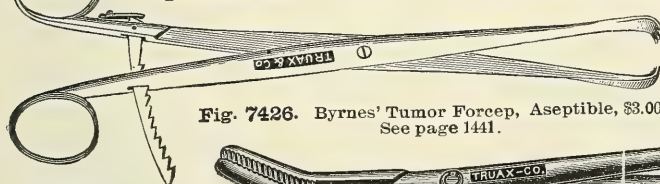


Fig. 7426. Byrnes' Tumor Forcep, Aseptible, \$3.00. See page 1441.

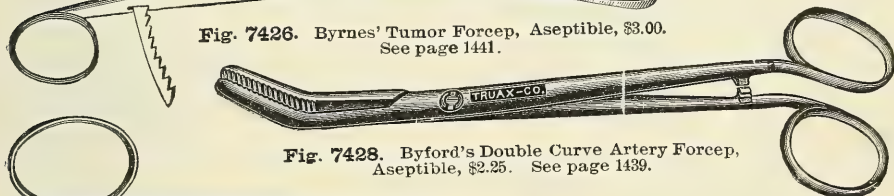


Fig. 7428. Byford's Double Curve Artery Forcep, Aseptible, \$2.25. See page 1439.

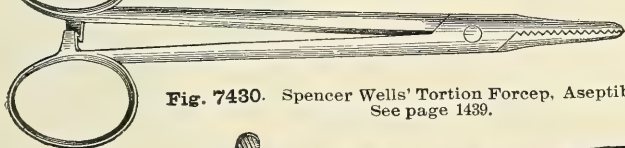


Fig. 7430. Spencer Wells' Tortion Forcep, Aseptible, \$2.60. See page 1439.

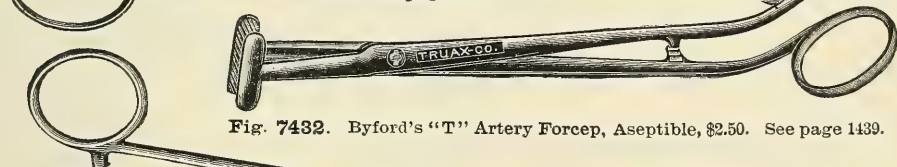


Fig. 7432. Byford's "T" Artery Forcep, Aseptible, \$2.50. See page 1439.

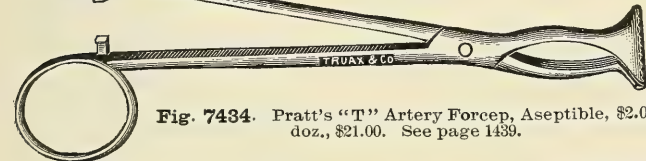


Fig. 7434. Pratt's "T" Artery Forcep, Aseptible, \$2.00; doz., \$21.00. See page 1439.

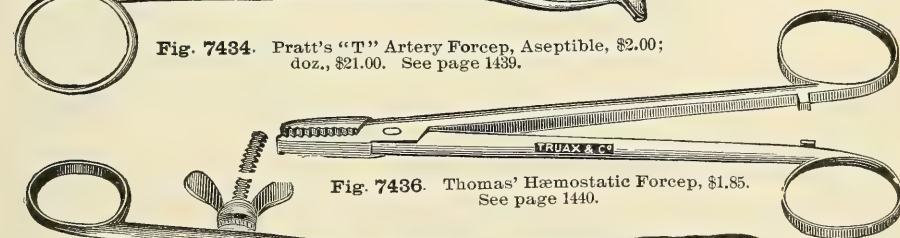


Fig. 7436. Thomas' Hemostatic Forcep, \$1.85. See page 1440.

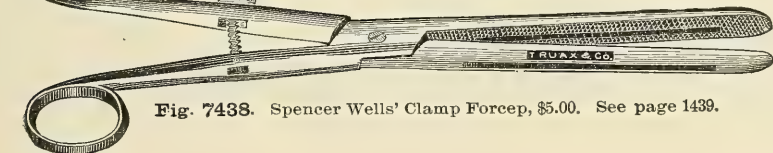


Fig. 7438. Spencer Wells' Clamp Forcep, \$5.00. See page 1439.



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Fig. 7449. Musseux's Vulsellum Forcep, Aseptible,
\$1.90. See page 1442.

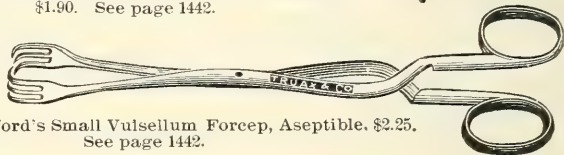


Fig. 7451. Byford's Small Vulsellum Forcep, Aseptible, \$2.25.
See page 1442.

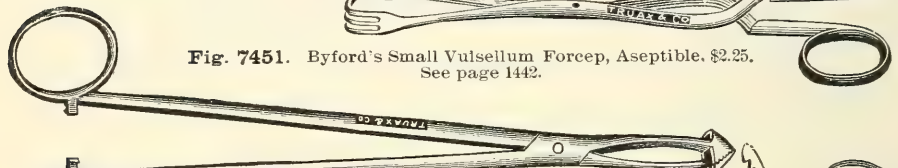


Fig. 7453. Pratt's V Forcep, Aseptible, \$2.25. See page 1439.

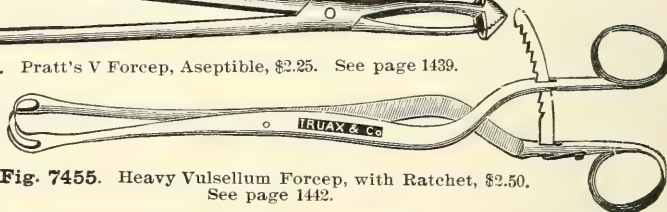


Fig. 7455. Heavy Vulsellum Forcep, with Ratchet, \$2.50.
See page 1442.

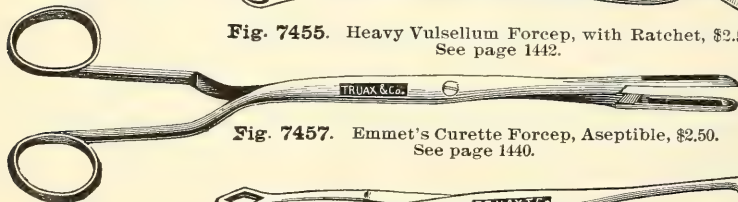


Fig. 7457. Emmet's Curette Forcep, Aseptible, \$2.50.
See page 1440.

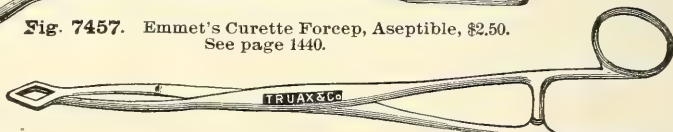


Fig. 7459. Baer's Polypus Forcep, Aseptible, \$3.00.
See page 1440.

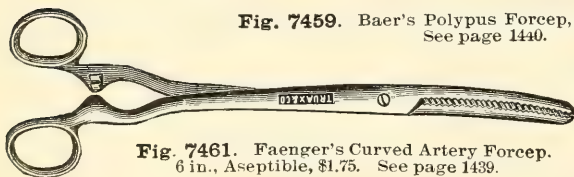


Fig. 7461. Faenger's Curved Artery Forcep,
6 in., Aseptible, \$1.75. See page 1439.

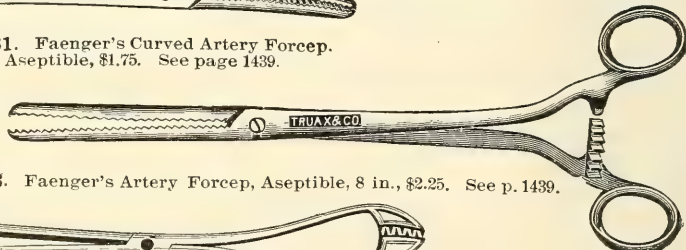


Fig. 7463. Faenger's Artery Forcep, Aseptible, 8 in., \$2.25. See p. 1439.

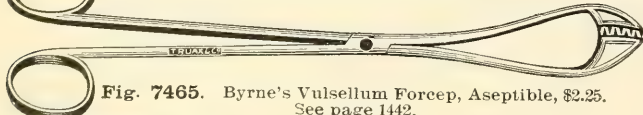


Fig. 7465. Byrne's Vulsellum Forcep, Aseptible, \$2.25.
See page 1442.

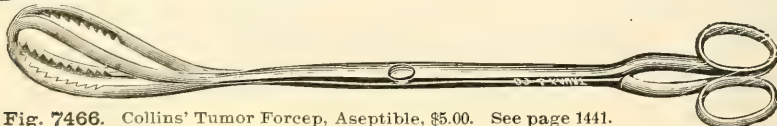


Fig. 7466. Collins' Tumor Forcep, Aseptible, \$5.00. See page 1441.

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Fig. 7477. Bayonet Dressing Forcep, Aseptible, \$1.75. See page 1440.



Fig. 7478. Bozeman's Dressing Forcep, Aseptible, \$1.50. See page 1440.

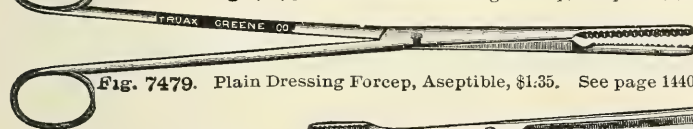


Fig. 7479. Plain Dressing Forcep, Aseptible, \$1.35. See page 1440.

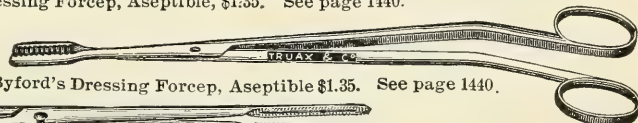


Fig. 7482. Byford's Dressing Forcep, Aseptible \$1.35. See page 1440.



Fig. 7481. Elliott's Dressing Forcep, Catch, Aseptible, \$1.50. See page 1440.

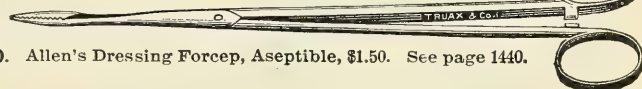


Fig. 7480. Allen's Dressing Forcep, Aseptible, \$1.50. See page 1440.

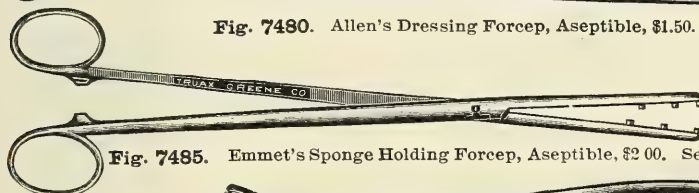


Fig. 7485. Emmet's Sponge Holding Forcep, Aseptible, \$2.00. See page 1441.

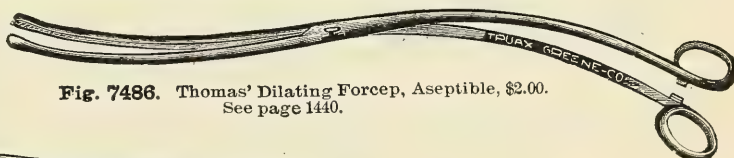


Fig. 7486. Thomas' Dilating Forcep, Aseptible, \$2.00. See page 1440.



Fig. 7487. E. H. Pratt's Compression Forcep, curved on the side, 6 in., Aseptible, \$2.00. See page 1439.

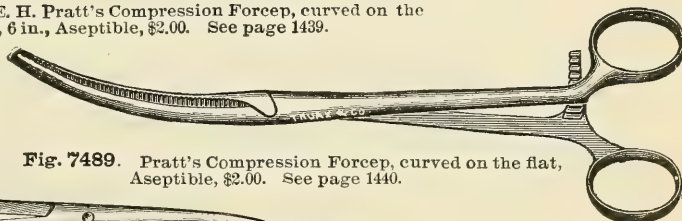


Fig. 7489. Pratt's Compression Forcep, curved on the flat, Aseptible, \$2.00. See page 1440.

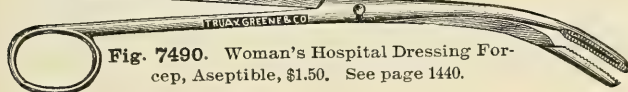


Fig. 7490. Woman's Hospital Dressing Forcep, Aseptible, \$1.50. See page 1440.



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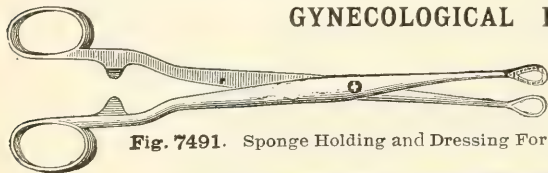


Fig. 7491. Sponge Holding and Dressing Forcep, \$2.50.

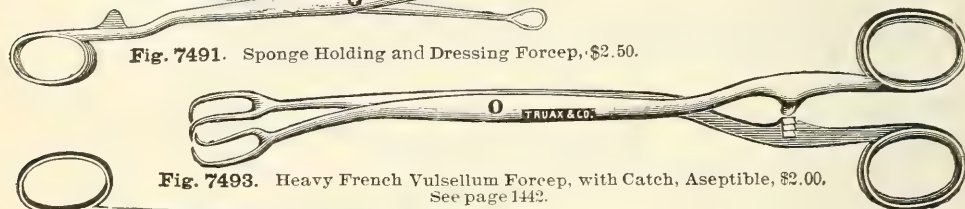


Fig. 7493. Heavy French Vulsellum Forcep, with Catch, Aseptible, \$2.00.
See page 1442.

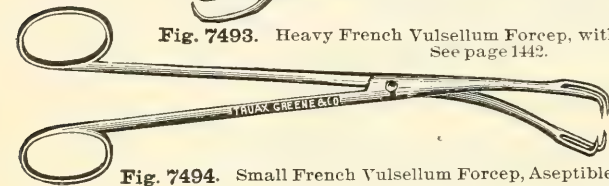


Fig. 7494. Small French Vulsellum Forcep, Aseptible, \$1.65. See page 1442.

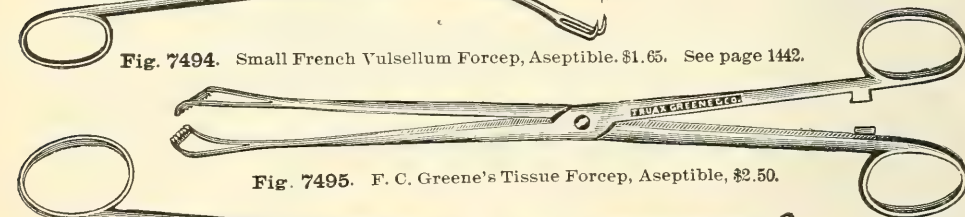


Fig. 7495. F. C. Greene's Tissue Forcep, Aseptible, \$2.50.

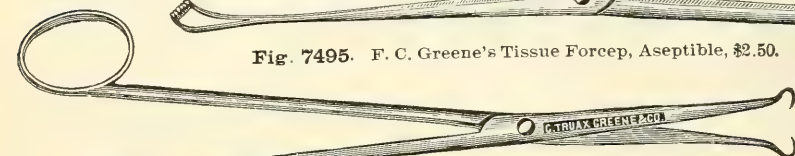


Fig. 7496. Roser's Vulsellum Forcep, Aseptible, \$2.00. See page 1442.

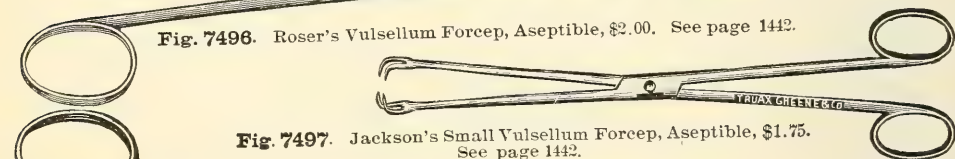


Fig. 7497. Jackson's Small Vulsellum Forcep, Aseptible, \$1.75.
See page 1442.

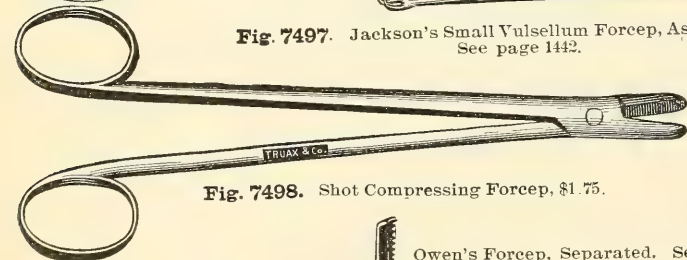
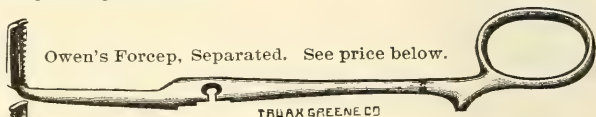


Fig. 7498. Shot Compressing Forcep, \$1.75.



Owen's Forcep, Separated. See price below.

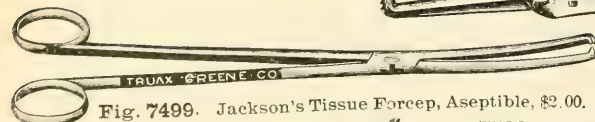


Fig. 7499. Jackson's Tissue Forcep, Aseptible, \$2.00. See page 1441.

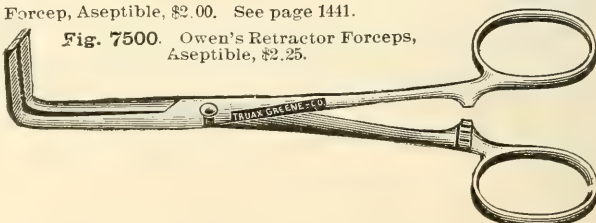


Fig. 7500. Owen's Retractor Forceps, Aseptible, \$2.25.

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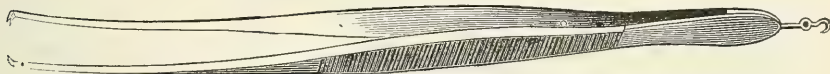


Fig. 7503. Agnew's Tissue Forcep and Adjuster, \$1.90. See page 1441.

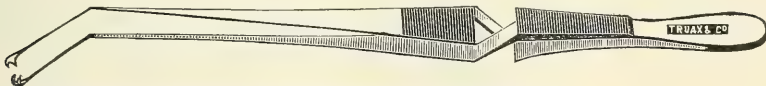


Fig. 7505. Byrne's Seizing Forcep, \$2.25. See page 1441.



Fig. 7507. Thomas' Tissue Forceps, curved, \$3.25; straight, \$3.00.

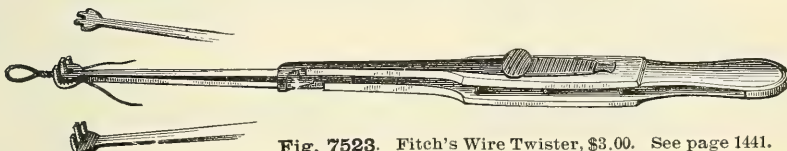


Fig. 7523. Fitch's Wire Twister, \$3.00. See page 1441.

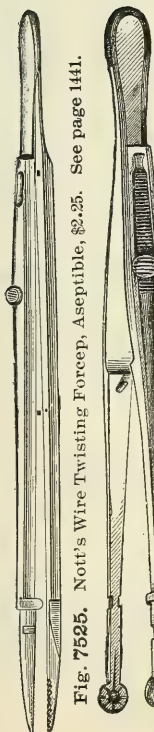


Fig. 7525. Nott's Wire Twisting Forcep, Aseptible, \$2.25. See page 1441.



Fig. 7527. Emmet's Twisting Forcep, \$2.25. See page 1441.



Fig. 7509. Bacon's Perineal Vulsellum Forcep, \$2.00.



Fig. 7511. Langenbeck's Seizing Forcep, \$1.90. See page 1441.



Fig. 7513. Manton's Tissue Forcep, \$2.25. See page 1441.



Fig. 7515. Adjustable Tissue Forcep, with catch, \$3.00. See page 1441.



Fig. 7517. Plain Tissue Forcep, \$1.25 to \$1.75. See page 1441.



Fig. 7519. Self Grasping Seizing Forcep, \$2.25. See page 1441.



Fig. 7521. Plain Curved Tissue Forcep, \$1.50 to \$2.00. See page 1441.



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Fig. 7538. Thomas' Dressing Forcep, \$3.00. See page 1440.

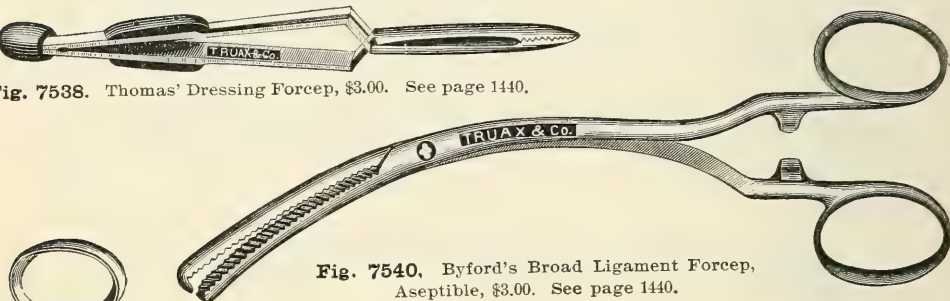


Fig. 7540. Byford's Broad Ligament Forcep, Aseptic, \$3.00. See page 1440.



Fig. 7544. Keith's Compression Forcep, Aseptic, \$2.50. See page 1440.

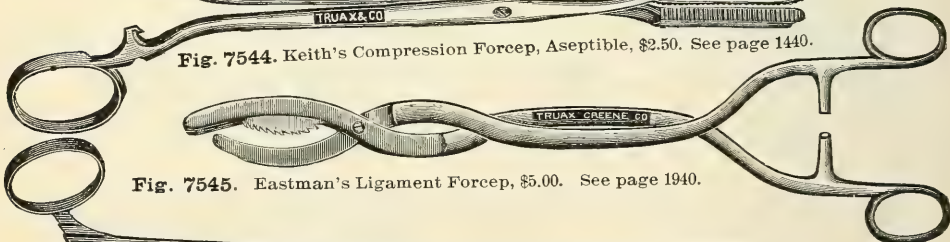


Fig. 7545. Eastman's Ligament Forcep, \$5.00. See page 1940.

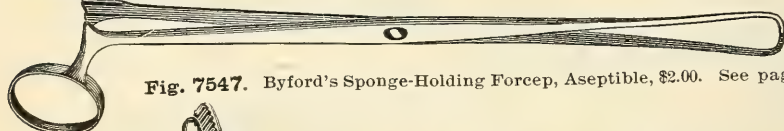


Fig. 7547. Byford's Sponge-Holding Forcep, Aseptic, \$2.00. See page 1441.

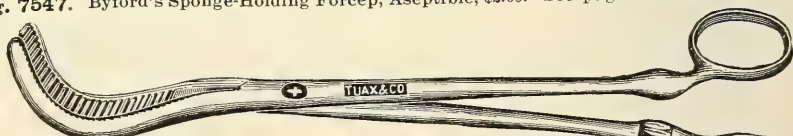


Fig. 7549. Skene's Compression Forcep, Aseptic, \$3.00.



Fig. 7550. Emmet's Dressing Forceps, \$1.75. See page 1440.

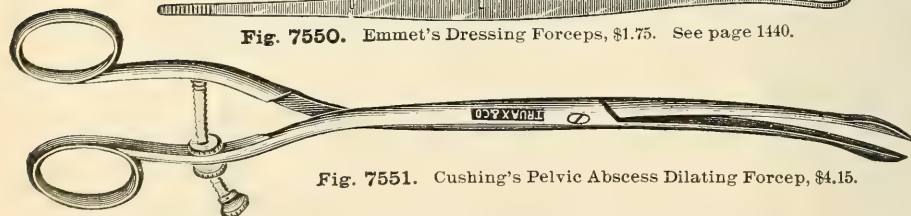


Fig. 7551. Cushing's Pelvic Abscess Dilating Forcep, \$4.15.



Fig. 7552. Thomas' Wire Shouldering Forcep, \$3.50. See page 1441.

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Fig. 7560. Wylie's Angle Forcep, Aseptible, \$2.25. See page 1439.

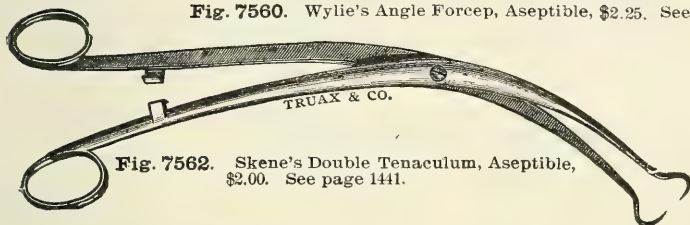


Fig. 7562. Skene's Double Tenaculum, Aseptible, \$2.00. See page 1441.

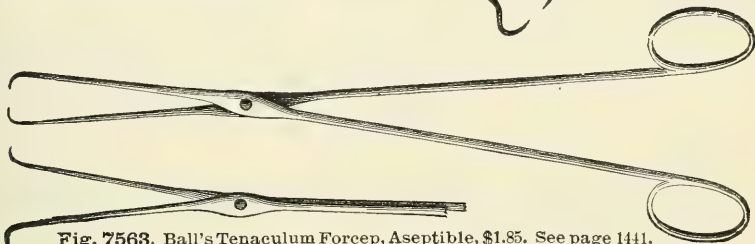


Fig. 7563. Ball's Tenaculum Forcep, Aseptible, \$1.85. See page 1441.

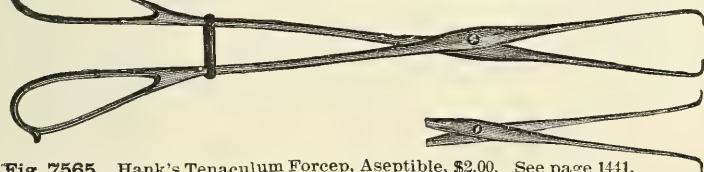


Fig. 7565. Hank's Tenaculum Forcep, Aseptible, \$2.00. See page 1441.

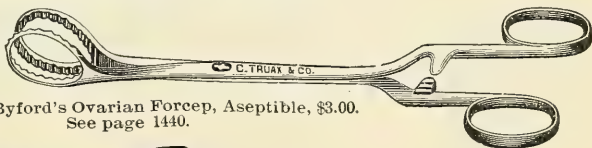


Fig. 7566. Byford's Ovarian Forcep, Aseptible, \$3.00. See page 1440.

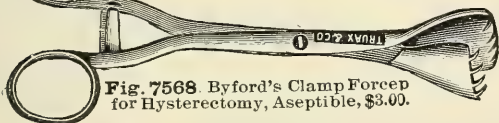


Fig. 7568. Byford's Clamp Forcep for Hysterectomy, Aseptible, \$3.00.



Fig. 7577. Whitman's Cotton Holding Forceps, \$2.25.

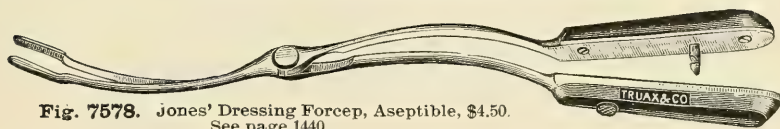


Fig. 7578. Jones' Dressing Forcep, Aseptible, \$4.50. See page 1440.



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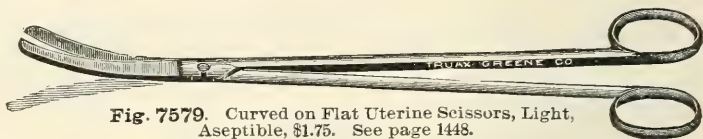


Fig. 7579. Curved on Flat Uterine Scissors, Light, Aseptible, \$1.75. See page 1448.



Fig. 7580. Curved on Flat Uterine Scissors, Medium, Aseptible, \$1.75; Sharp Points, \$1.75. See page 1448.

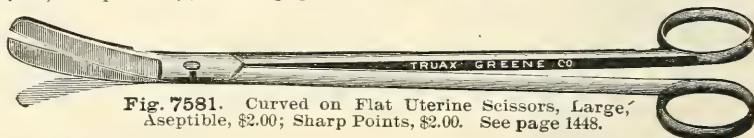


Fig. 7581. Curved on Flat Uterine Scissors, Large, Aseptible, \$2.00; Sharp Points, \$2.00. See page 1448.

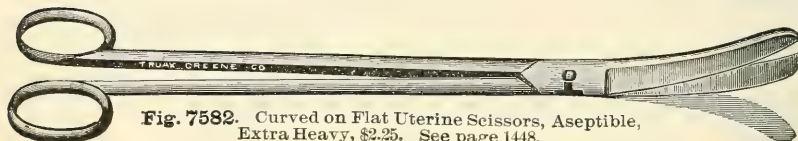


Fig. 7582. Curved on Flat Uterine Scissors, Aseptible, Extra Heavy, \$2.25. See page 1448.



Fig. 7583. Curved on Flat Uterine Scissors, Sharp Points, Aseptible, \$1.75; Heavy, \$2.00. See page 1448.

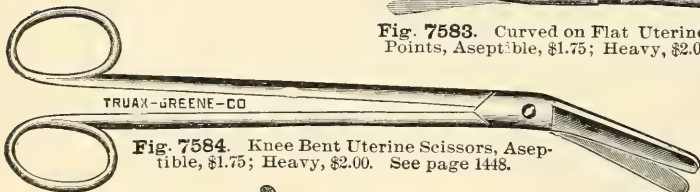


Fig. 7584. Knee Bent Uterine Scissors, Aseptible, \$1.75; Heavy, \$2.00. See page 1448.



Fig. 7585. Curved on Flat Uterine Scissors, one Point Probe, Aseptible, \$2.00. See page 1448.

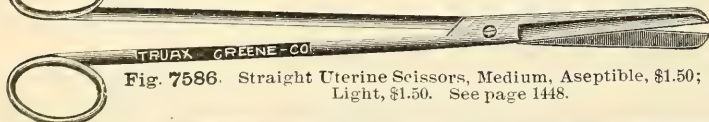


Fig. 7586. Straight Uterine Scissors, Medium, Aseptible, \$1.50; Light, \$1.50. See page 1448.

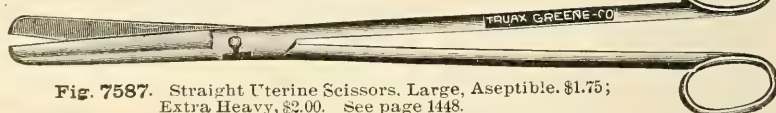


Fig. 7587. Straight Uterine Scissors, Large, Aseptible, \$1.75; Extra Heavy, \$2.00. See page 1448.

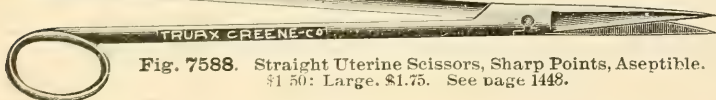


Fig. 7588. Straight Uterine Scissors, Sharp Points, Aseptible, \$1.50; Large, \$1.75. See page 1448.



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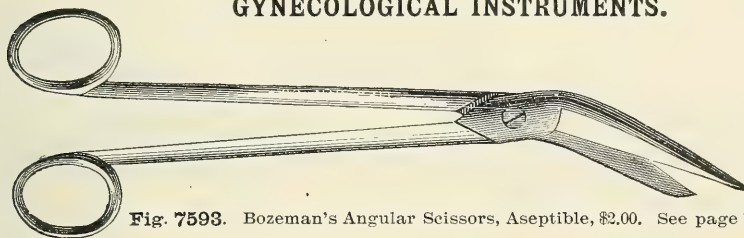


Fig. 7593. Bozeman's Angular Scissors, Aseptible, \$2.00. See page 1448.

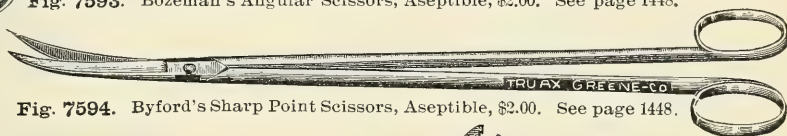


Fig. 7594. Byford's Sharp Point Scissors, Aseptible, \$2.00. See page 1448.

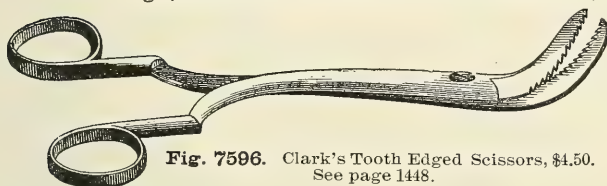


Fig. 7596. Clark's Tooth Edged Scissors, \$4.50.
See page 1448.

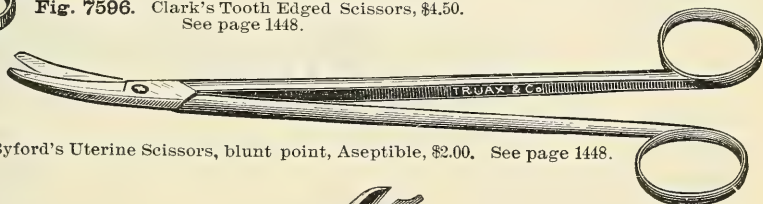


Fig. 7595. Byford's Uterine Scissors, blunt point, Aseptible, \$2.00. See page 1448.

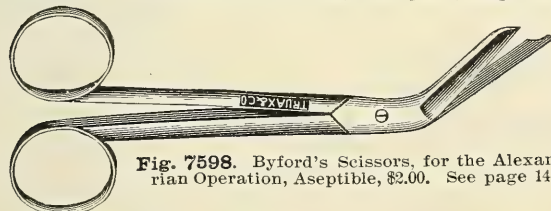


Fig. 7598. Byford's Scissors, for the Alexandrian Operation, Aseptible, \$2.00. See page 1448.

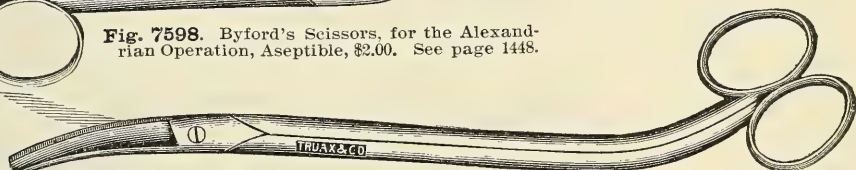


Fig. 7600. Scissors with handles curved on edge and blades curved on flat, right and left, each, \$3.00.

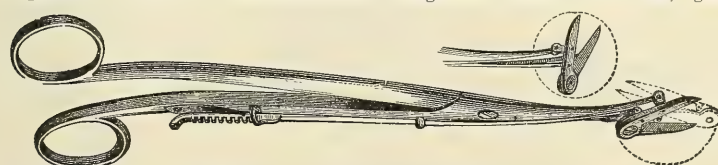


Fig. 7601. Rotating Scissors, \$6.00.

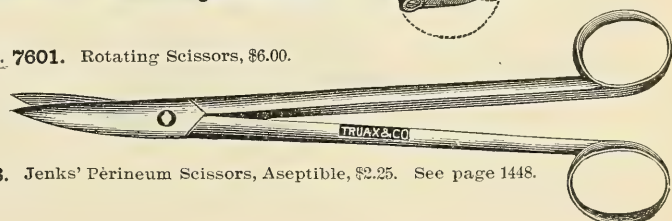


Fig. 7603. Jenks' Périneum Scissors, Aseptible, \$2.25. See page 1448.



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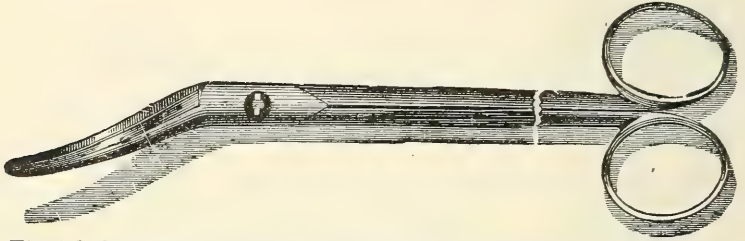


Fig. 7614. Emmet's Lesser Curved Right and Left Scissors, Aseptible, \$3.00. See page 1448.

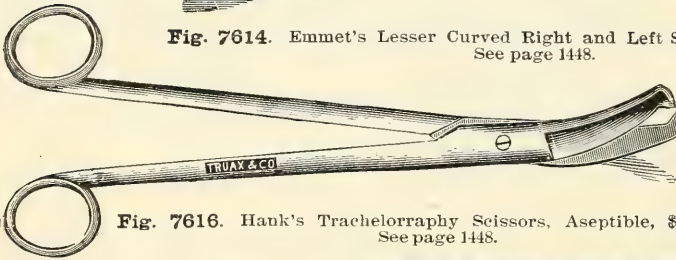


Fig. 7616. Hawk's Trachelorrhaphy Scissors. Aseptible, \$3.25. See page 1448.

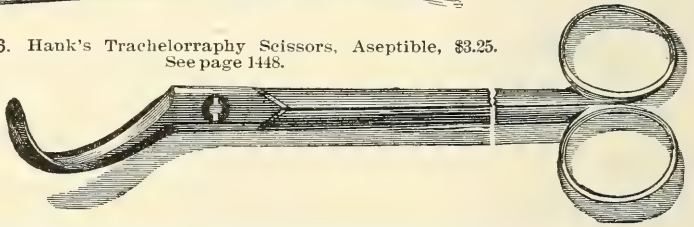


Fig. 7618. Emmet's Full Curved Right and Left Scissors, Aseptible, \$3.25. See p. 1448.

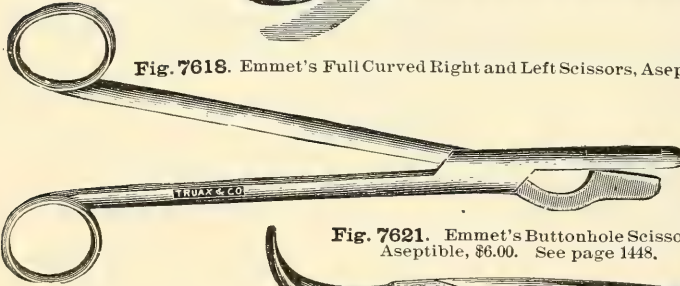


Fig. 7621. Emmet's Buttonhole Scissors, Aseptible, \$6.00. See page 1448.

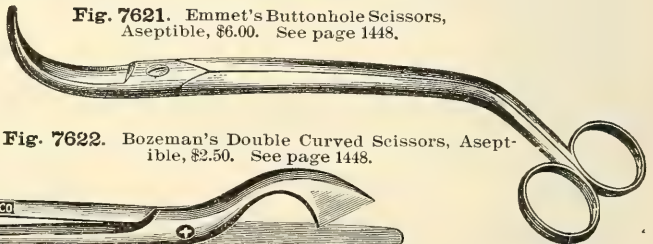


Fig. 7622. Bozeman's Double Curved Scissors, Aseptible, \$2.50. See page 1448.

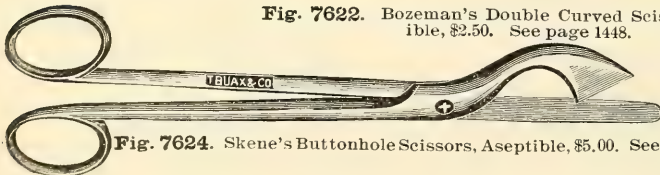


Fig. 7624. Skene's Buttonhole Scissors, Aseptible, \$5.00. See p. 1448.

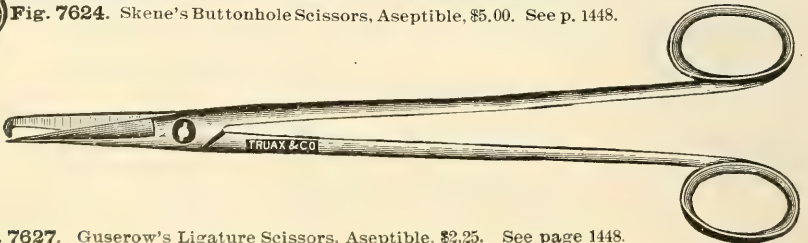


Fig. 7627. Guserow's Ligature Scissors, Aseptible, \$2.25. See page 1448.



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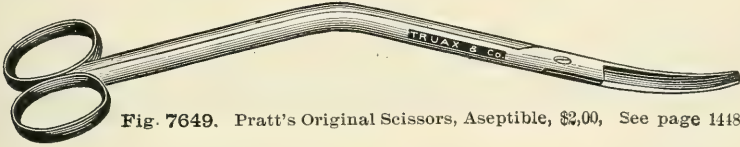


Fig. 7649. Pratt's Original Scissors, Aseptible, \$2.00. See page 1448.

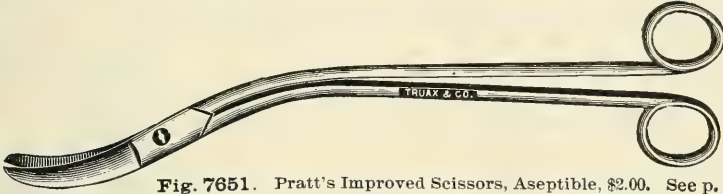


Fig. 7651. Pratt's Improved Scissors, Aseptible, \$2.00. See p. 1448.

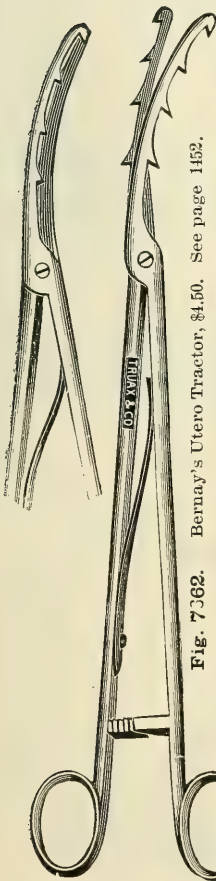


Fig. 7362. Bernay's Utero Tractor, \$4.50. See page 1452.

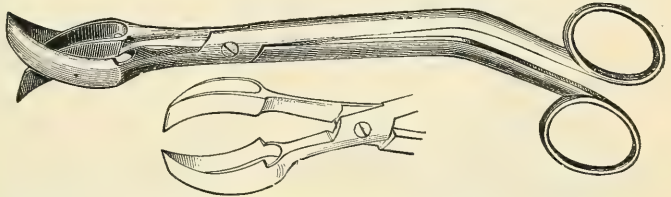


Fig. 7654. Skene's Hawk-Bill Scissors, Aseptible, \$7.50. See page 1448.

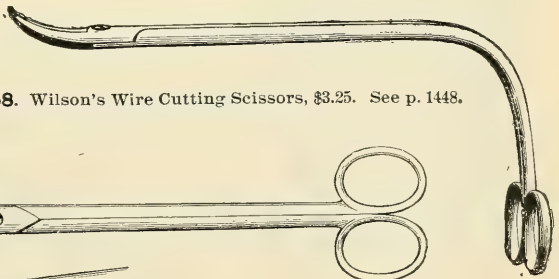


Fig. 7658. Wilson's Wire Cutting Scissors, \$3.25. See p. 1448.



Fig. 7660. Smith's Wire Cutting Scissors, Aseptible, \$2.25. See p. 1448.

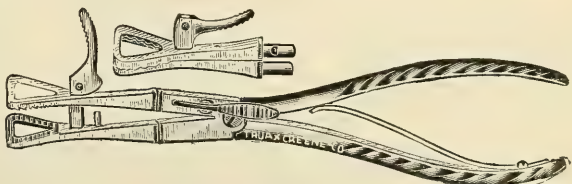


Fig. 7661. Aubry's Pedicle Clamp Forceps, with 3 clamps, \$10.00.

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Fig. 7678. Elliott's Uterine Elevator, \$2.50. See page 1439.

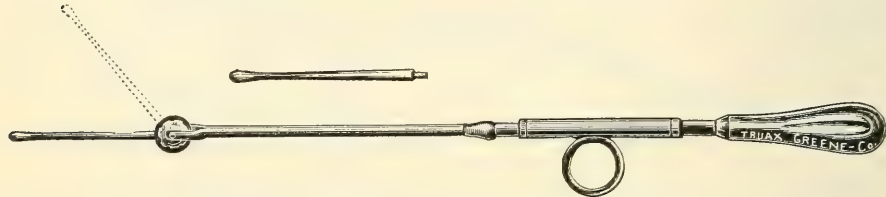


Fig. 7680. Sims' Uterine Elevator, \$4.00. See page 1439.



Fig. 7688. Emmet's Uterine Elevator, \$3.00. See page 1439.

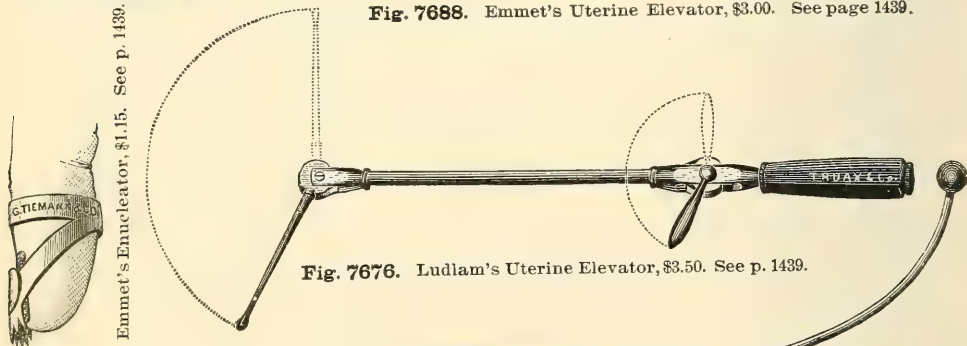


Fig. 7676. Ludlam's Uterine Elevator, \$3.50. See p. 1439.

Fig. 7686. Guernsey's Uterine Elevator, Aseptible, \$1.00. See page 1439.



Fig. 7687. Ludlum's Guernsey's Uterine Elevator, Aseptible, \$1.00.

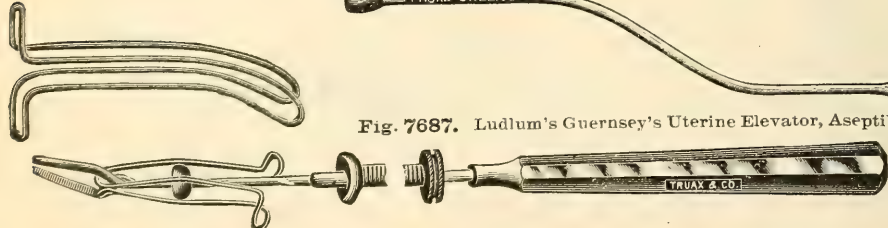


Fig. 7689. Onterbridge's Stems for Relieving Sterility, 6 sizes, each 50c. Introducers, \$2.00. See page 1451.

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Fig. 7694. Peaslee's Uterotome \$3.25 to \$5.00. See page 1453.

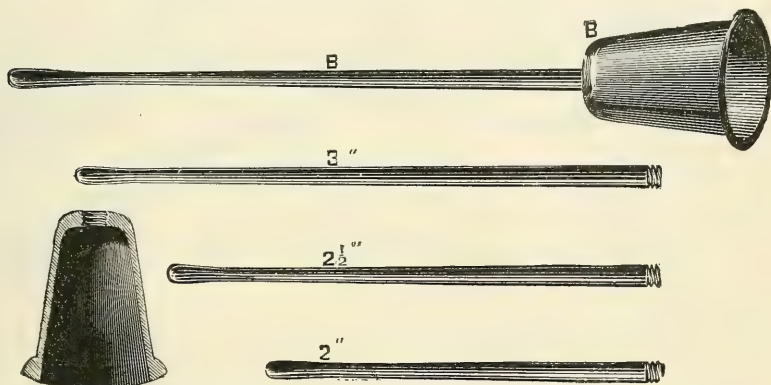


Fig. 7690. Miller's Uterine Elevator. Made with three sizes of Thimbles. In neat case, set, \$2.00. See page 1439.

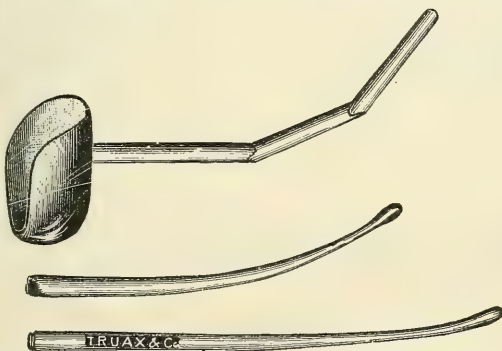


Fig. 7691. Byford's Finger Elevator, in case, Aseptic, \$2.50. See page 1439.

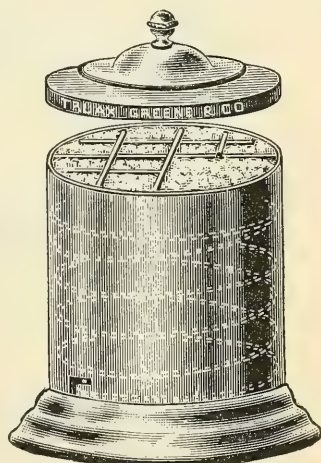


Fig. 7696. Phillips' Cotton Reservoir, \$1.50.

PHILLIPS' COTTON RESERVOIR.

This is a useful adjunct to the office of the physician and surgeon, more particularly to the specialists. It is constructed internally so that the cotton, to the very last piece, is exposed at the top. The Aurist or Gynecologist can pick a small or large piece of cotton, as may be desired, from the reservoir for attachment to a probe, carrier or applicator or for tamponing purposes.



Fig. 7695. Thomas' Vaginal Clamp, \$1.50.



Fig. 7692. Kelly's Leg Holder, \$2.00.



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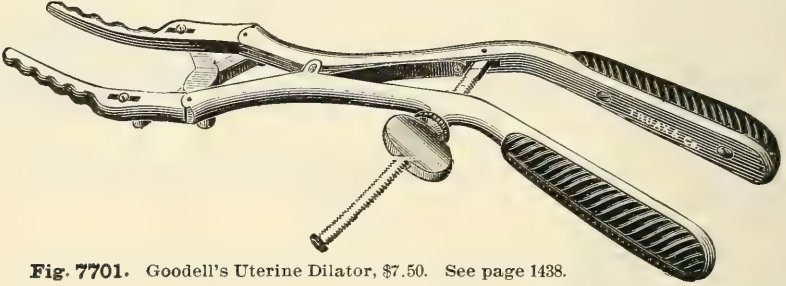


Fig. 7701. Goodell's Uterine Dilator, \$7.50. See page 1438.

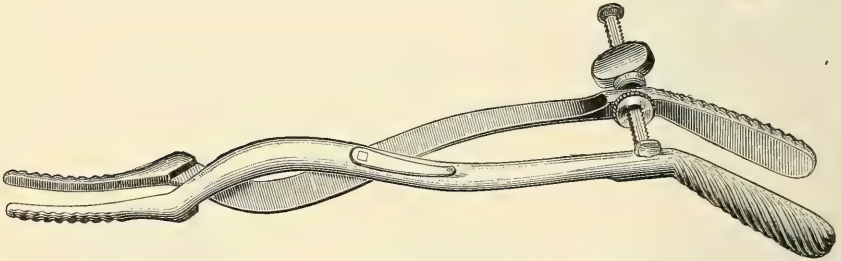


Fig. 7702. Wathen's Uterine Dilator, Aseptible, \$5.00. See page 1438.

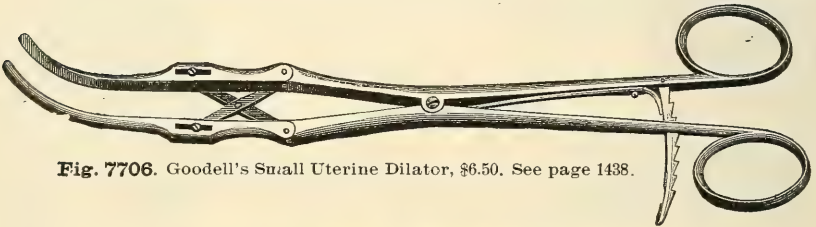


Fig. 7706. Goodell's Small Uterine Dilator, \$6.50. See page 1438.

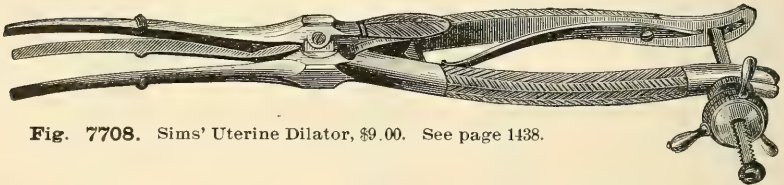


Fig. 7708. Sims' Uterine Dilator, \$9.00. See page 1438.

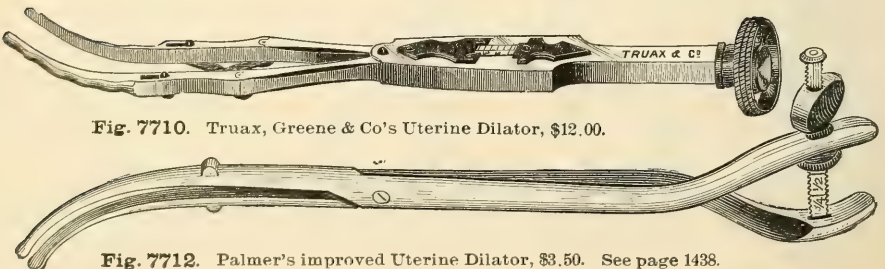


Fig. 7710. Truax, Greene & Co's Uterine Dilator, \$12.00.



Fig. 7712. Palmer's improved Uterine Dilator, \$3.50. See page 1438.

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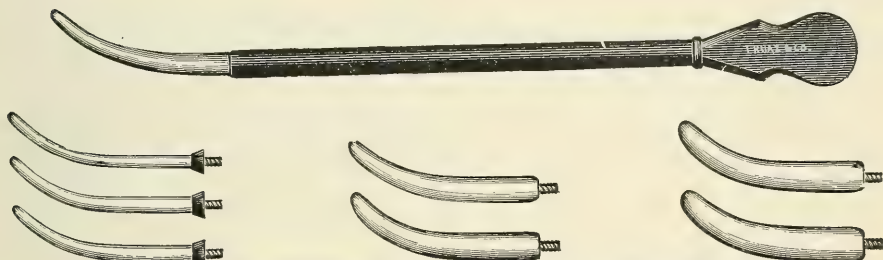


Fig. 7728. E. H. Pratt's Electrical Dilators, \$4.50; in case, \$5.50. See page 1438.



Fig. 7729. Wylie's Uterine Dilator, \$2.50. See page 1438.

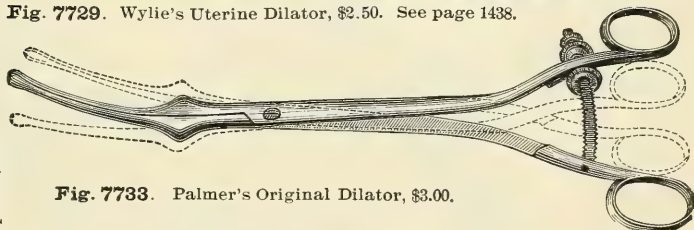


Fig. 7733. Palmer's Original Dilator, \$3.00.

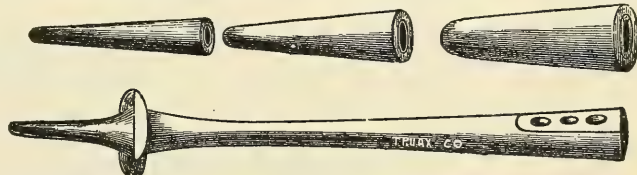


Fig. 7735. Tait's set of Dilators, \$1.90. See page 1438.

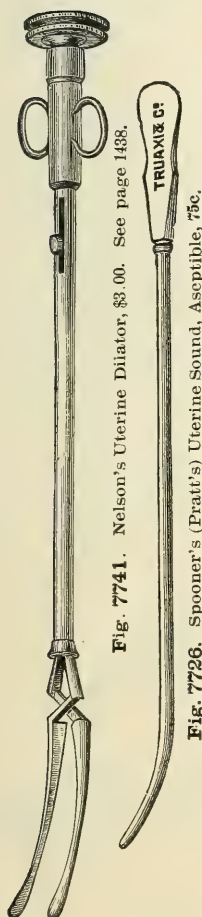


Fig. 7741. Nelson's Uterine Dilator, \$3.00. See page 1438.

Fig. 7726. Spooner's (Pratt's) Uterine Sound, Aseptible, 75c.

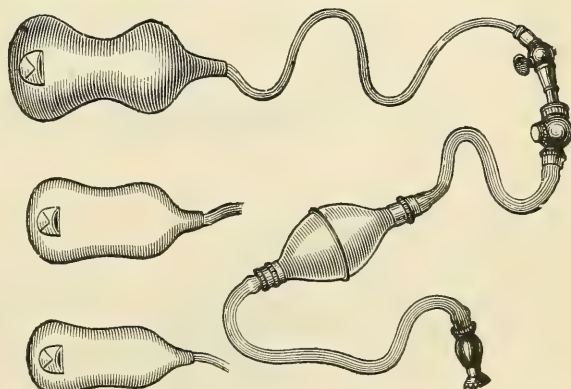


Fig. 7738. Barnes' Dilators, set complete, \$3.00. See page 1437.



GYNECOLOGICAL INSTRUMENTS.

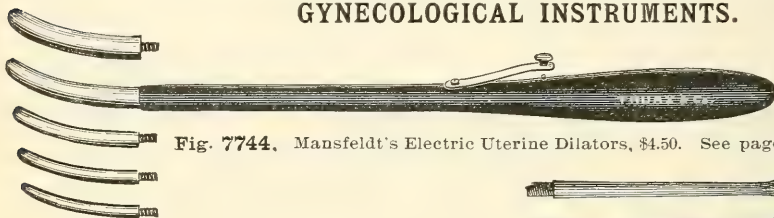


Fig. 7744. Mansfeldt's Electric Uterine Dilators, \$4.50. See page 1433.

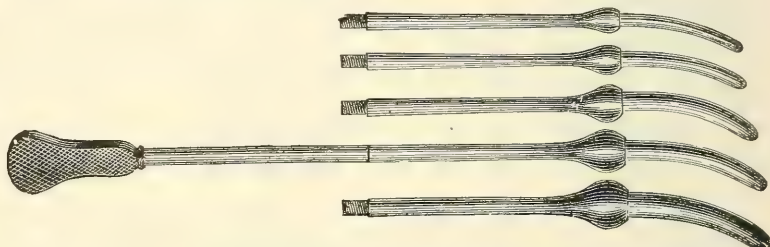


Fig. 7746. Peaslee's Uterine Dilators, per set, \$4.50. See page 1433.

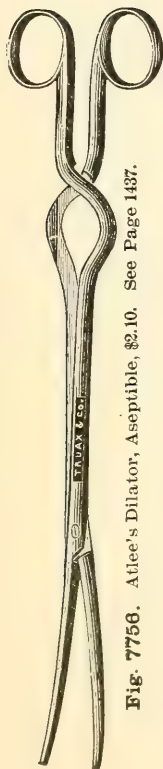


Fig. 7756. Allee's Dilator, Asepsible, \$2.10. See Page 1437.

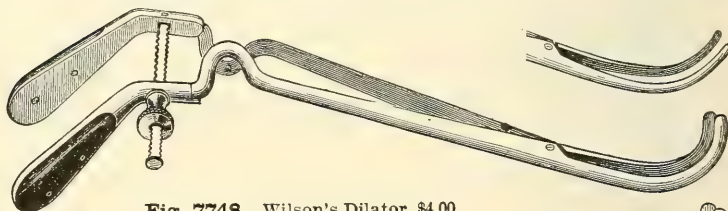


Fig. 7748. Wilson's Dilator, \$4.00.
See page 1433.



Fig. 7750. Nott's Uterine Dilator, Asepsible, \$2.25.
See page 1433.



Fig. 7752. Hank's Uterine Dilator, \$3.75. See page 1433.

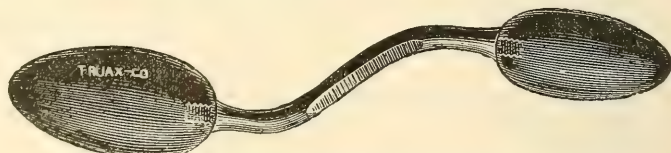


Fig. 7754. Hank's Vaginal Dilators, set of 10, \$4.10. See page 1433.



ELM TENTS, BOUGIES, PLUGS AND TAMPONS.

The advantages of slippery elm bark, as a dilator for the os and cervix uteri, have long been recognized by the medical profession, and several eminent specialists have, for years, recommended the use of elm tents whittled from the ordinary commercial

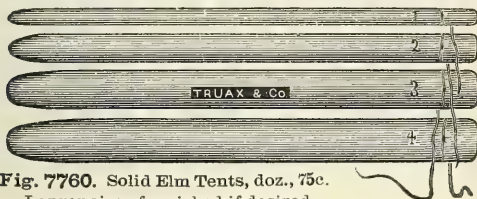


Fig. 7760. Solid Elm Tents, doz., 75c.
Larger sizes furnished if desired.

bark found in retail drug stores. The only objection attending the use of these tents has been their imperfect shape, and in some cases, a want of sufficient dilating power. The latter defect, no doubt, was due to the fact, that being made from thin sheets of ordinary bark, they were necessarily too small to be used to advantage where much dilatation was required. As now manufactured, their advantages consist of their manifold sizes and introduced, and their non-irritant and demulcent properties; the latter rendering them applicable in many cases where a sponge or sea-tangle tent could not be tolerated.

After being moistened they are quickly covered with a mucilaginous coat, which thickens as absorption increases, protecting inflamed or ulcerated mucous surfaces and relieving congestion.

We are now prepared to furnish these tents of every desirable shape or size, manufactured from compressed bark, having all the advantages mentioned above, together with great dilating power. This mucilaginous coat renders them so smooth that they require less force for introduction and they may more readily be made to follow a

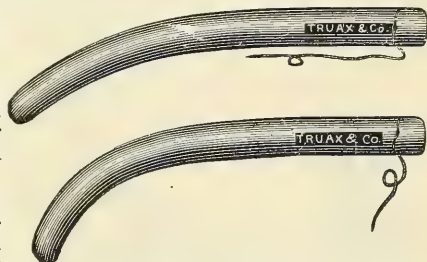


Fig. 7761. Solid Curved Elm Tents, doz., \$1.50.
Special sizes and curves furnished to order.



Fig. 7762. Hollow Elm Tents, doz., \$1.10.

ing being so tenacious that it cannot be wiped off, even if tightly pressed through a small opening. Where rapid dilatation is required, they can be introduced in a succession of sizes, the same as Peaslee's, Hank's, or Simpson's dilators, or they may be used side by side the same as other tents. They readily absorb almost any medicated solution, and being readily borne by the most sensitive surface the remedy may be kept in direct contact as long as desired. They may be permanently medicated without being dilated by dipping them in an alcoholic or ether solution, and after the liquid has evaporated they may be kept for use as required.



Fig. 7763. Elm Bougies, 6 inch, doz., \$2.25. Manufactured of any size and length wanted,



Fig. 7764. Cervical Elm Plugs or Tampon,
each 25c. to 50c.; three sizes.
Special ones furnished of any size or length.

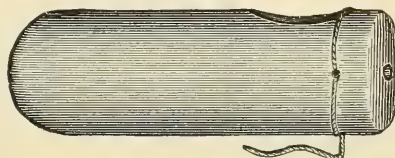


Fig. 7765. Vaginal Elm Plugs, each 30c. to 60c.
Six sizes. Special ones made to order

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Fig. 7780. Bozeman's Vaginal Dilator, 75c. See page 1438.

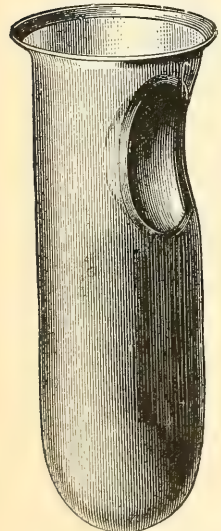


Fig. 7784. Sims' Vaginal Dilator, 40c. to 60c. See p. 1438.

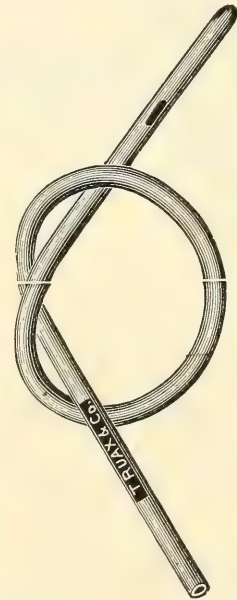


Fig. 7779. Leavitt's Female Catheter, soft rubber, 40c.



Fig. 7774. Dolore's Dilating Intra-Uterine Catheter, \$6.00.

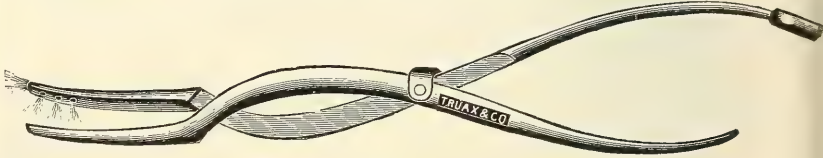


Fig. 7775. Dudley's Irrigating Dilator, \$5.00.



Fig. 7768. Sponge Tent Expeller, 50c. See page 1439.



Fig. 7770. Sea-tangle Tents, doz., 75c. See page 1452.

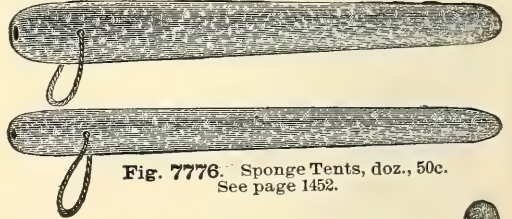


Fig. 7776. Sponge Tents, doz., 50c. See page 1452.

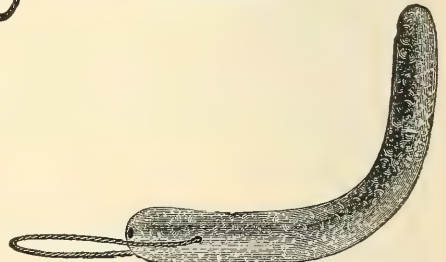


Fig. 7778. Curved Sponge Tents, doz., \$1.00. See page 1452.

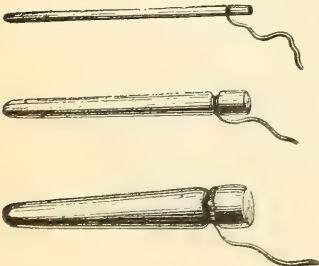


Fig. 7773. Tupello Tents, doz. 75c. See page 1452.

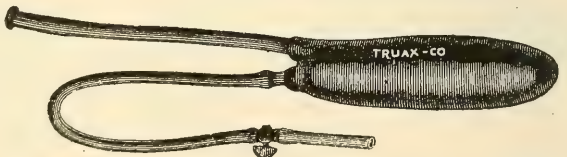


Fig. 7782. Emmet's Dilator, with stop-cock, \$1.50. See page 1438.



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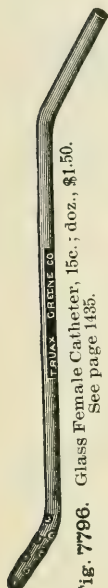


Fig. 7796. Glass Female Catheter, 15c.; doz., \$1.50.
See page 1435.

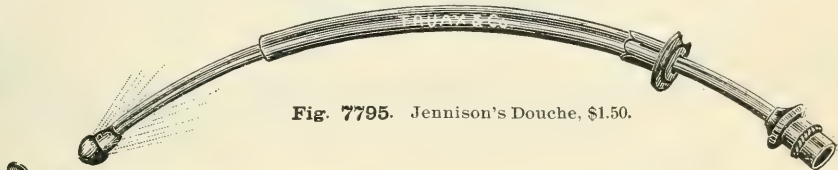


Fig. 7795. Jennison's Douche, \$1.50.

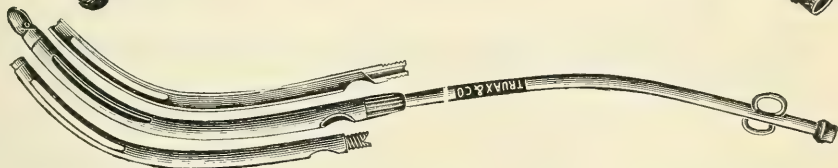


Fig. 7793. Kelly's Douche Tube,
Aseptible, \$3.00. See page 1438.

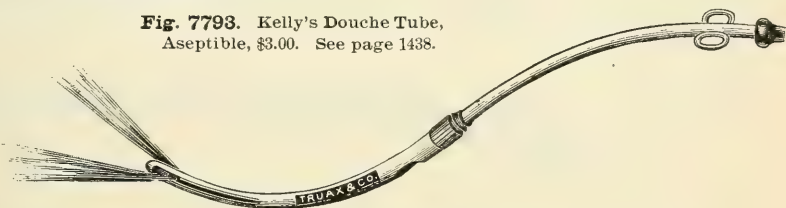


Fig. 7791. Fritsch's Douche Tube, Aseptible, \$1.75. See page 1438.

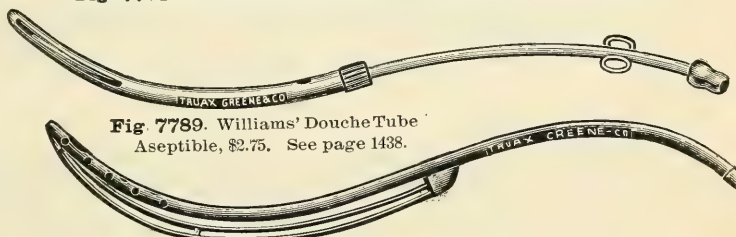


Fig. 7789. Williams' Douche Tube
Aseptible, \$2.75. See page 1438.

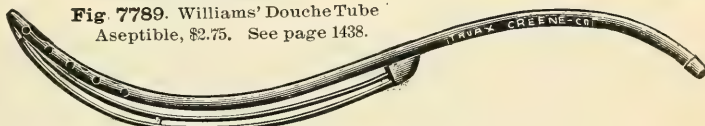


Fig. 7787. Leonard's Douche Tube, \$2.00.

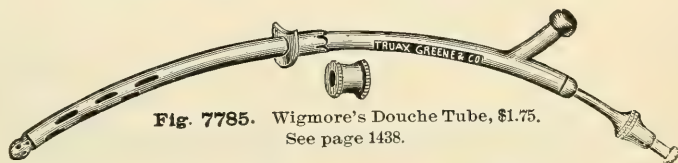


Fig. 7785. Wigmore's Douche Tube, \$1.75.
See page 1438.



Fig. 7790. Skene's-Goodman's Self-retaining Catheter, 65c. See page 1436

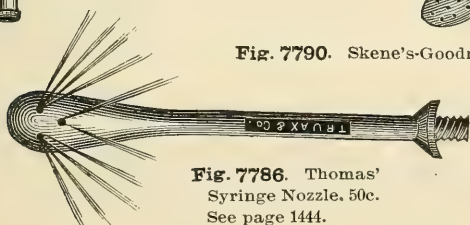


Fig. 7786. Thomas'
Syringe Nozzle, 50c.
See page 1444.



Fig. 7788. Sims' Improved Catheter, 75c. See page 958.

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Fig. 7823. Sims' Sigmoid Catheter, 45c to \$1.10. See page 1436.



Fig. 7805. Skene's Reflux Catheter, \$1.00. See page 1436.

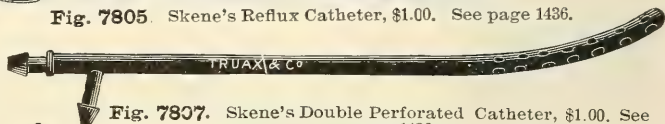


Fig. 7807. Skene's Double Perforated Catheter, \$1.00. See page 1436.

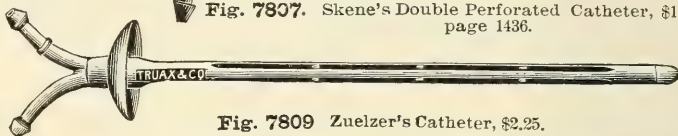


Fig. 7809. Zuelzer's Catheter, \$2.25.

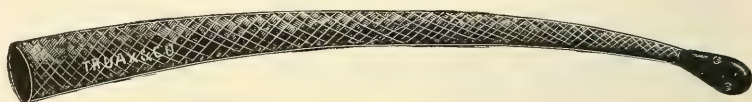


Fig. 7813. Vaginal Injecting Tube, Web, 50c to 90c. See page 1453.

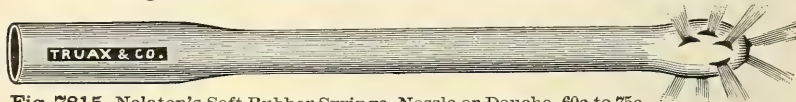


Fig. 7815. Nelaton's Soft Rubber Syringe, Nozzle or Douche, 60c to 75c. See page 1453.



Fig. 7822. Windrow's Double Channel Catheter, \$1.75. See page 1436.

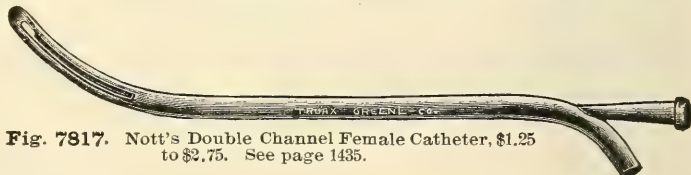


Fig. 7817. Nott's Double Channel Female Catheter, \$1.25 to \$2.75. See page 1435.

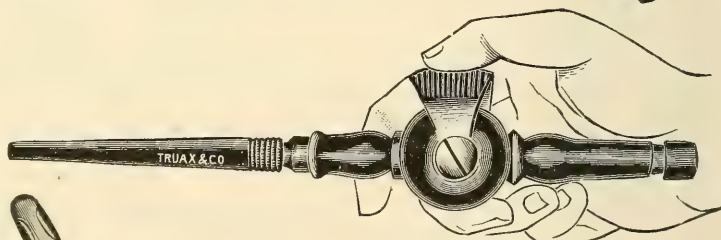


Fig. 7818. Esmarch's Cut Off, with 2 Tips, \$1.00. See page 1437.

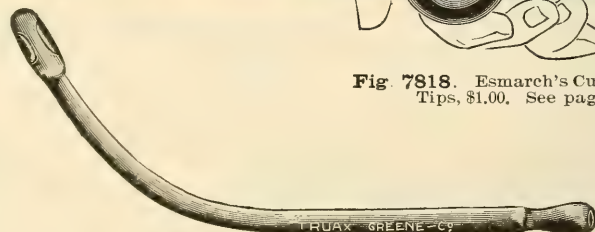


Fig. 7820. Berlin Intra-Uterine Glass Douches, 75c.

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Fig. 7833. Peaslee's Uterotome, \$3.25 to \$5.00. See page 1453.



Fig. 7834. Dolore's Curette and Douche, blunt or sharp, \$2.00. See page 1437.

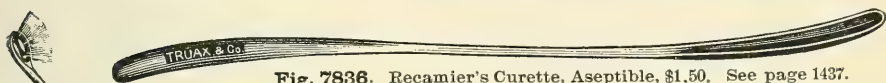


Fig. 7836. Recamier's Curette, Aseptible, \$1.50. See page 1437.



Fig. 7838. Reinstetter's Douche Curette, \$2.00. See page 1437.



Fig. 7840. G. W. Webster's Douche with Curetting Tip, \$2.50.

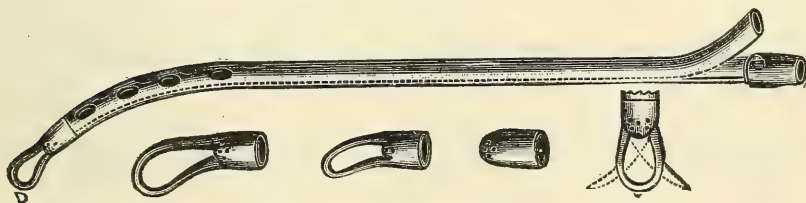


Fig. 7841. Abbott's Curettes and Catheter, \$4.00.



Fig. 7843. Holbrook's Douche Curette with two tips, \$3.50. See page 1437.



Fig. 7845. Scarifying Curette, Aseptible, \$2.25.



Fig. 7847. Martin's Angular Edge Curette, Aseptible, \$1.50. See page 1437.



Fig. 7849. Burt's Double Aseptible Curette, \$2.00. See page 1433.

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Fig. 7861. Wire Curette, Aseptible, 75c. See page 1437.



Fig. 7863. Greene's Serrated Curette, Aseptible. \$1.15. See page 1437.



Fig. 7865. Thomas' Blunt Curette, small size, Aseptible, \$1.00. See page 1437.



Fig. 7867. Thomas' Blunt Curette, large, Aseptible, \$1.00. See page 1437.



Fig. 7869. Medium Curette, Aseptible, \$1.00. See page 1437.



Fig. 7871. Sims' Sharp Curette, three sizes, Aseptible, \$1.50. See page 1437.



Fig. 7873. Sharp Curette, curved on the flat, extra large, Aseptible, \$1.25. See page 1437.



Fig. 7875. Sims' long-loop, Sharp Curette, Aseptible, \$1.25. See page 1437.



Fig. 7877. Wylie's Curettes, Aseptible, each \$1.75. See page 1437.



Fig. 7879. Siemon's Curettes, Aseptible, each \$1.25. See page 1437.

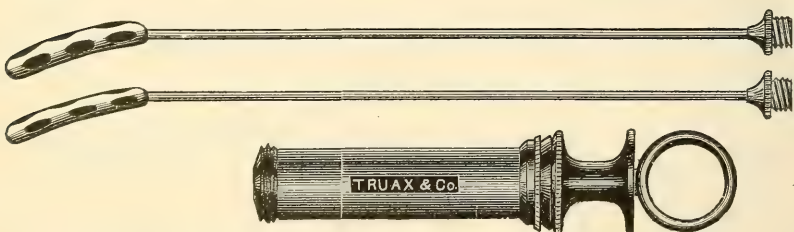


Fig. 7883. Longear's Curettes, with Syringe, \$5.00. See page 1437.

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HOAG'S CURETTES.

This set of aseptic curettes comprises five of the best known patterns in the market. When attached to the thimble and placed on the finger they form the most efficient and safe curette yet devised. The sense of touch is so carefully preserved that the operator knows exactly the work being performed, and dangerous complications need not follow their use. Special sets can be made to order.

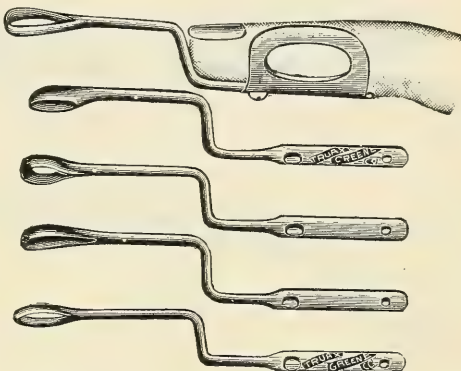


Fig. 7893 Hoag's Set Curettes, Aseptic, in case, \$4.00. See page 1437.



Fig. 7896. Duke's Curette for Extracting Mucus from Cervical Canal, \$1.00. See page 1437.

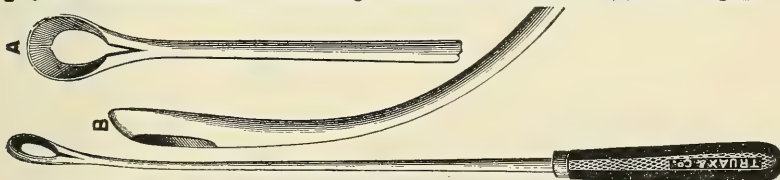


Fig. 7898. Byford's Curettes, Aseptic, 3 sizes, \$1.00 to \$1.25. See page 1437.



Fig. 7904. Volkman's Curette, Aseptic, metal handle, \$1.40.

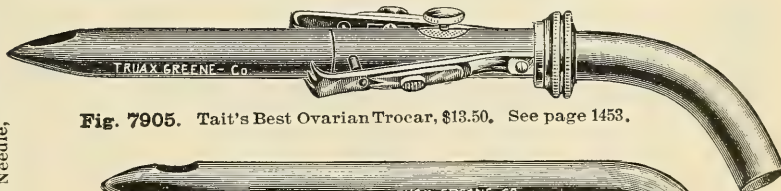


Fig. 7905. Tait's Best Ovarian Trocar, \$13.50. See page 1453.

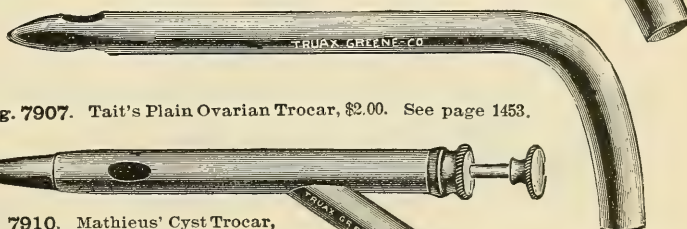


Fig. 7907. Tait's Plain Ovarian Trocar, \$2.00. See page 1453.



Fig. 7910. Mathieus' Cyst Trocar, \$4.00. See page 1453.



Fig. 7912. Tait's Pedicle Needle, \$1.75.

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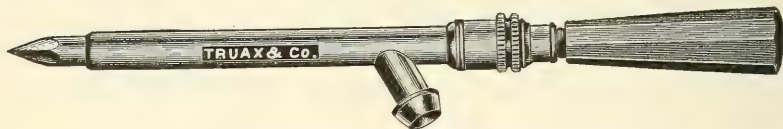


Fig. 7926. Emmet's Ovarian Trocar, \$3.25. See page 1453.



Fig. 7927. Truax, Greene & Co's Curved Ovarian Trocar, \$6.00. See page 1453.

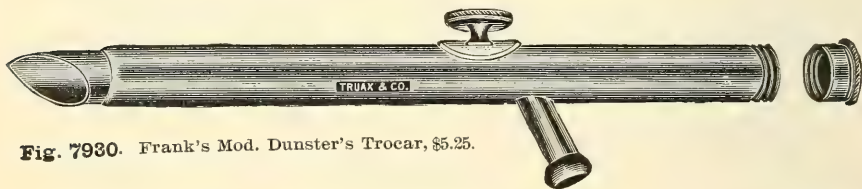


Fig. 7930. Frank's Mod. Dunster's Trocar, \$5.25.

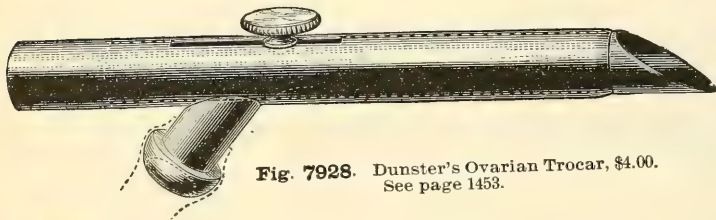


Fig. 7928. Dunster's Ovarian Trocar, \$4.00.
See page 1453.



Fig. 7934. Byford's Ovarian Trocar, for Small Tumors, used through the Posterior Vaginal Fornix, \$2.50.

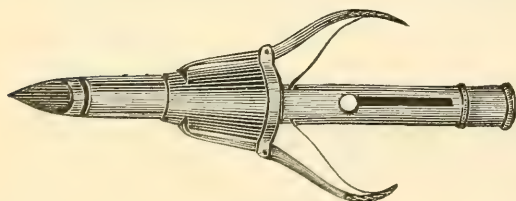


Fig. 7936. Spencer Wells' Ovarian Trocar, \$7.50. See page 1453.

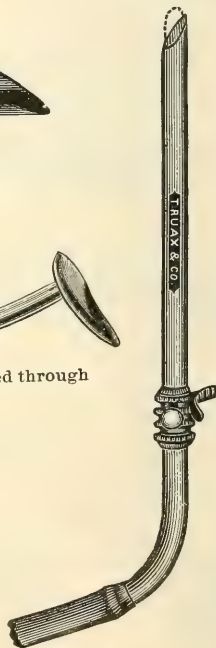


Fig. 7938. Fitch's Dome Trocar, complete, \$6.00. See page 1452.



GYNECOLOGICAL INSTRUMENTS.

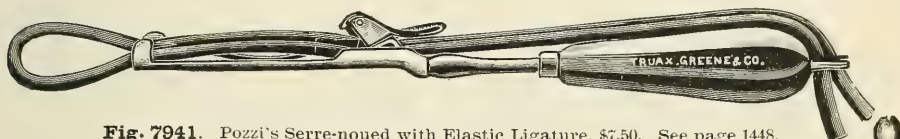


Fig. 7941. Pozzi's Serre-noué with Elastic Ligature, \$7.50. See page 1448.

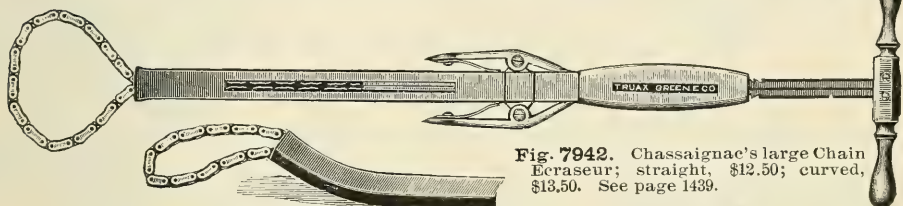


Fig. 7942. Chassaignac's large Chain Ecraseur; straight, \$12.50; curved, \$13.50. See page 1439.

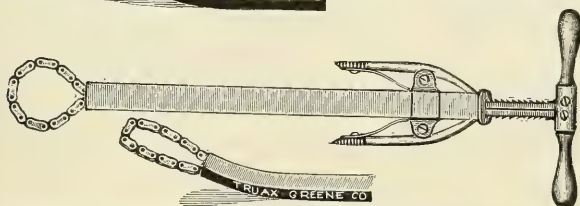


Fig. 7943. Chassaignac's small Chain Ecraseur; straight, \$10.50; curved, \$11.00. See page 1439.

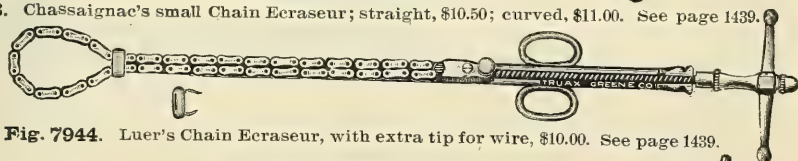


Fig. 7944. Luer's Chain Ecraseur, with extra tip for wire, \$10.00. See page 1439.

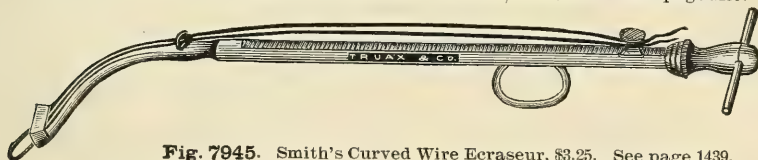


Fig. 7945. Smith's Curved Wire Ecraseur, \$3.25. See page 1439.

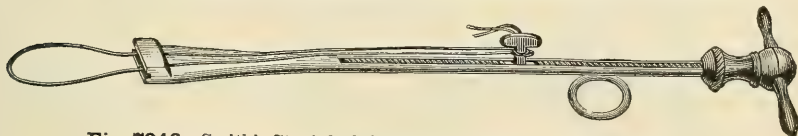


Fig. 7946. Smith's Straight Wire Ecraseur, \$3.00. See page 1439.

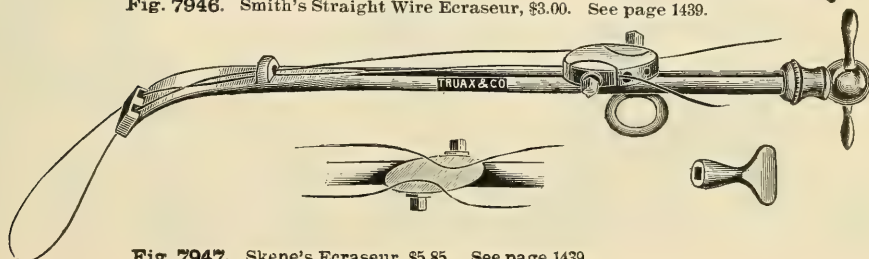


Fig. 7947. Skene's Ecraseur, \$5.85. See page 1439.



GYNECOLOGICAL INSTRUMENTS.

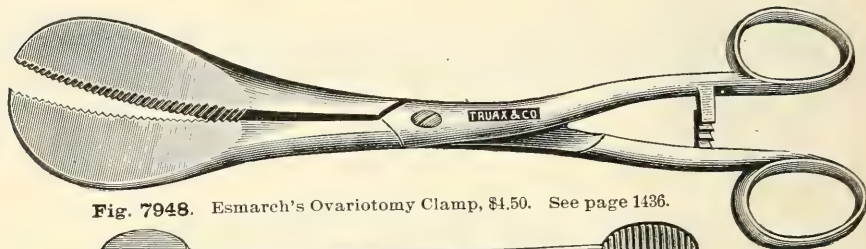


Fig. 7948. Esmarch's Ovariectomy Clamp, \$4.50. See page 1436.



Fig. 7950. Guarded Hysterectomy Pins, 75c.

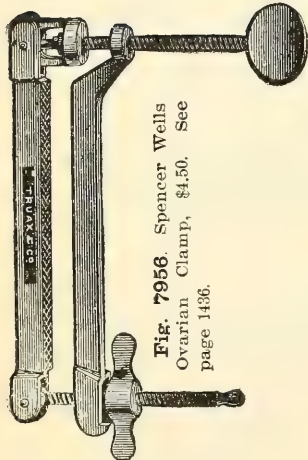


Fig. 7956. Spencer Wells Ovarian Clamp, \$4.50. See page 1436.

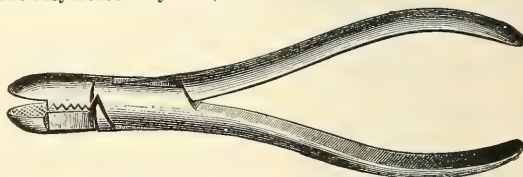


Fig. 7952. Wire Cutting Forcep, used with Serre Noeud, \$4.50.

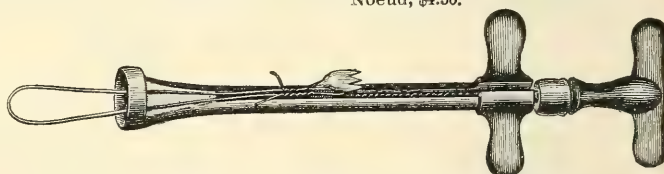


Fig. 7954. Koeberle's Serre Noeud, with Forceps and two Hysterectomy Pins. Price for set, \$9.00.

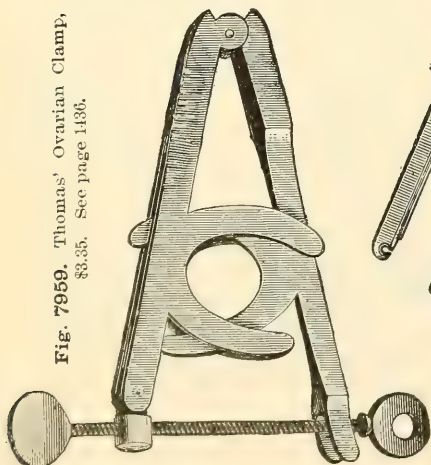


Fig. 7959. Thomas' Ovarian Clamp, \$3.35. See page 1436.

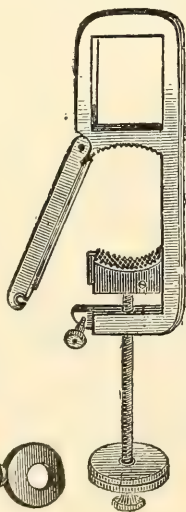


Fig. 7961. Dawson's Mod. Clamp, \$6.00. See page 1436.

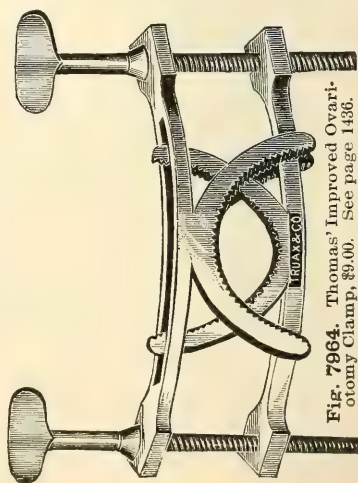


Fig. 7964. Thomas' Improved Ovariectomy Clamp, \$9.00. See page 1436.

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Fig. 7974. Truax' Scalpel, Aseptible. 1.25. See page 1442.



Fig. 7975. Truax' Convex Edge Knife, Aseptible, \$1.25. See page 1442.



Fig. 7977. Truax' Angular bent Bistoury, left, Aseptible, \$1.25. See page 1442.



Fig. 7979. Truax' Double Edge Curved on flat Knife, Aseptible, \$1.25. See page 1442.



Fig. 7978. Truax' Angular bent Bistoury, right, Aseptible, \$1.25. See page 1442.

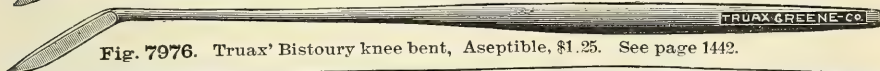


Fig. 7976. Truax' Bistoury knee bent, Aseptible, \$1.25. See page 1442.

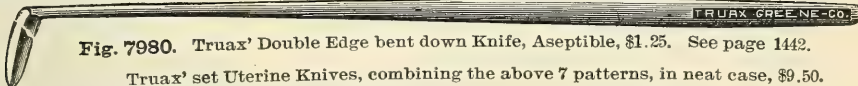


Fig. 7980. Truax' Double Edge bent down Knife, Aseptible, \$1.25. See page 1442.

Truax' set Uterine Knives, combining the above 7 patterns, in neat case, \$9.50.



Fig. 7981. Scott's Uterine Knife, Aseptible, \$1.25. See page 1442.



Fig. 7982. Bozeman's Delicate Uterine Knife, Aseptible, \$1.25. See page 1442.



Fig. 7983. Sims' Probe Point Uterine Knife, Aseptible, \$1.25. See page 1442.

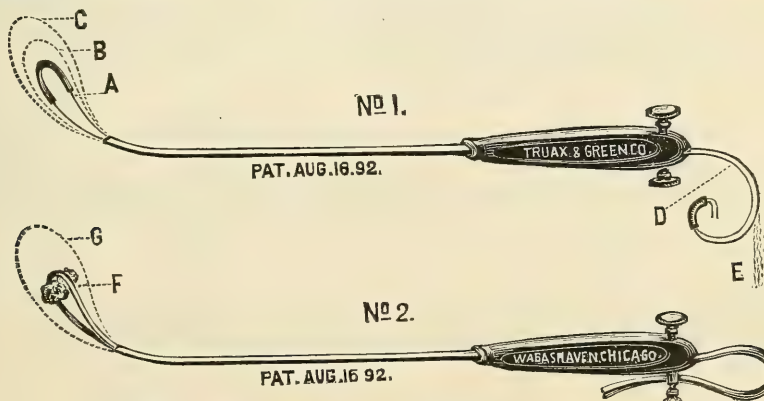


Fig. 7984. Chas. H. Harris' Obstetrical Curettes, set of 2 in case, \$8.00.
Send for special circular describing these and method of using.

GYNECOLOGICAL INSTRUMENTS.



Fig. 7996. Beates' Broad Ligament Clamp, 3.00.

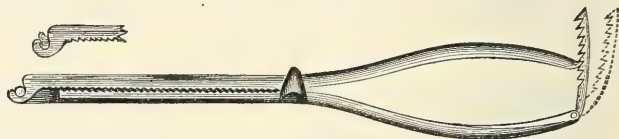


Fig. 7995. Kelly's Broad Ligament Clamp, \$3.50.

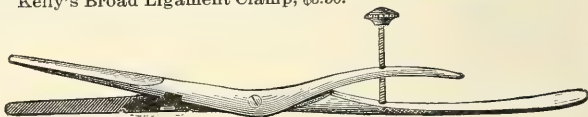


Fig. 7999. Gouley's Meatotome, \$3.75.

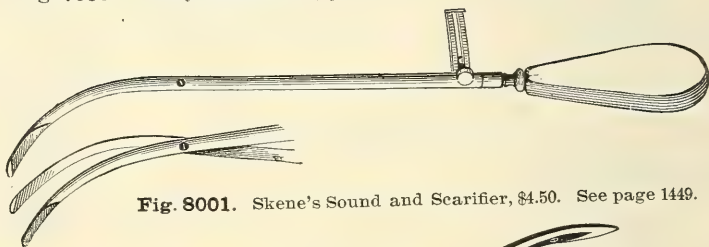


Fig. 8001. Skene's Sound and Scarifier, \$4.50. See page 1449.



Fig. 8003. Simpson's Meatotome, \$5.00. See page 1442.



Fig. 8005. Thomas' Spoon Saw, \$2.25. See page 1447.

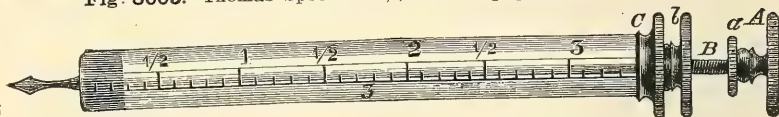


Fig. 8013. Reece's Artificial Leech, \$3.50. See page 982.



Fig. 8015. Tucker's Wire Cutter, \$3.50. See page 1453.



Fig. 8007. Plain Wire Twister, Aseptic, \$1.10. See page 1453.



Fig. 8011. Skene's Probe and Knife, Aseptic, each, 75c. See page 1447.

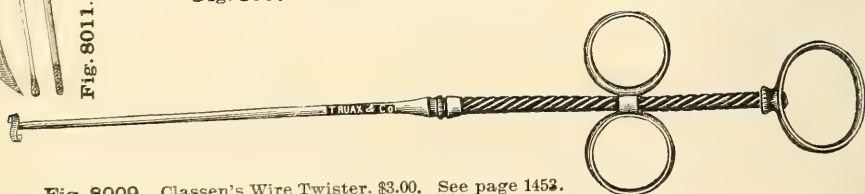


Fig. 8009. Classen's Wire Twister, \$3.00. See page 1452.



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Fig. 8026. Hart's Sponge Holder, 75c. See page 1451.



Fig. 8028. Emmet's Sponge Holder, 50c. See page 1451.



Fig. 8030. Sims' Sponge Holder, 50c. See page 1451.

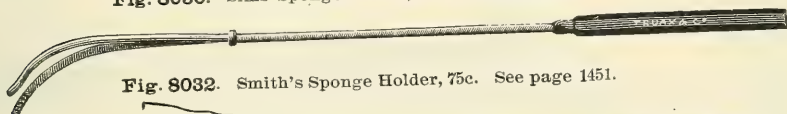


Fig. 8032. Smith's Sponge Holder, 75c. See page 1451.



Fig. 8034. Jackson's Sponge Holder, 35c. See page 1451.



Fig. 8035. Husson's Aseptible Sponge Holder, 50c. See page 1451.



Fig. 8036. Braun's Uterine Syringe, \$1.25. See page 1452.

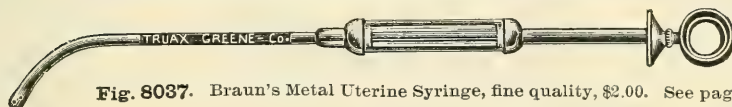


Fig. 8037. Braun's Metal Uterine Syringe, fine quality, \$2.00. See page 1452.



Fig. 8038. Thomas' Mucous Syringe, \$1.50. See page 1452.



Fig. 8039. Lente's Uterine Syringe, in case, \$5.00. See page 1452.



Fig. 8041. Emmet's Double Tenaculum, \$3.75. See page 1452.

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Fig. 8183. Pratt's Intra-Uterine Stem, 75c.

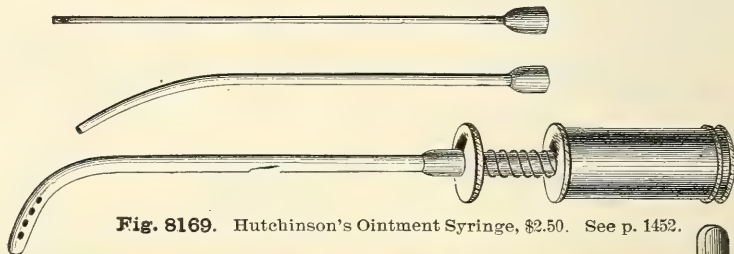


Fig. 8169. Hutchinson's Ointment Syringe, \$2.50. See p. 1452.



Fig. 8170. Hancock's Soft Rubber Drainage Tube, \$1.00.

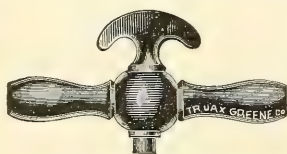


Fig. 8173. Double End Stop Cock, 35c. to 50c. See p. 1451.



Fig. 8176. Aluminum Uterine Stem, 60c.

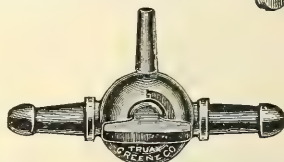


Fig. 8174. Two way Stop Cock, 75c. See page 1452.

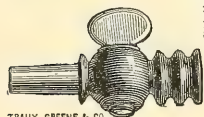


Fig. 8172. Stop Cock, 25c. to 35c. See p. 1452.



Fig. 8177. Sanitary pads for Menstrual Period, per doz. to patients, \$1.00. See page 720.



Fig. 8178. Thomas' latest Glass Uterine Plug, 6 sizes, each, 25c.

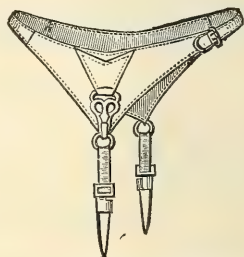


Fig. 8175. Menstrual Belt, Rubber. Price to patients, 75c. See p. 720.



Fig. 8182. American Pattern Bath Speculum, \$1.50.

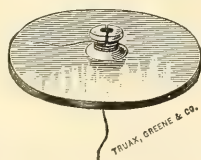


Fig. 8179. Powell's Suture Buttons.

POWELL'S SUTURE BUTTONS.

Price per doz., \$1.25

Powell's Suture Buttons are made of pure block tin. A central post arises from a base to a height of 3-16 inch; it is perforated with a round hole from the under surface of the plate to its own apex, and is cross-cut down to the shoulder.

In using these appliances, the wire or thread is passed through from below, bent into the slot, wound two or more times around the post, and then carried across the post through the slot again.

They are equally well adapted for use with silk worm, catgut, silk or wire. They can be sterilized by boiling, and used indefinitely. They can be bent to fit irregular surfaces. They can be instantly fastened, unfastened, tightened or relaxed, and cannot slip or break.



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These Illustrations show full sizes. See page 1443.

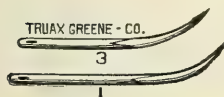


Fig. 8184 Sims' Cervical Needles, doz., 75c. Round shaft and lance point.

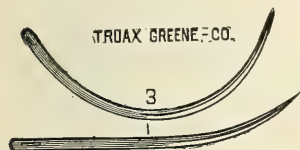


Fig. 8187 Schnetter's Needles, doz., \$1.00. Flat shaft and long tapering triangular point.

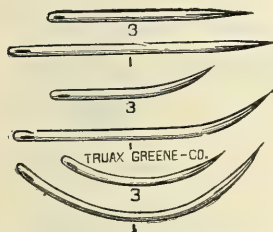


Fig. 8190 Emmet's Trocar Point Needles, doz., 75c. Round shaft and Trocar point.

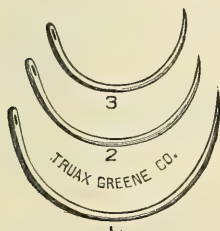


Fig. 8204 Fistula Needles, doz., \$1.00. Different from ordinary needles only in curve.

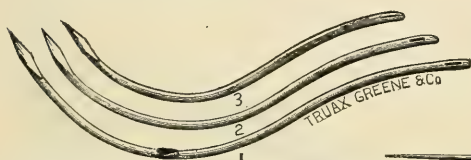


Fig. 8205 Goodell's Perineum Needles, doz. \$1.25. Round shaft with spear point.

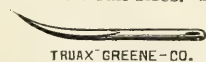


Fig. 8185 Sims' Fistula Needles, doz., 75c. Round shaft and triangular point.

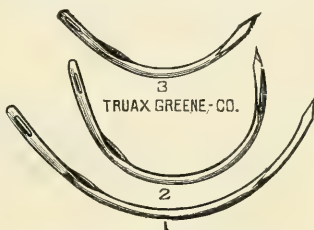


Fig. 8188 Pratt's Perineum Needles, doz., \$1.00. Round shaft and lance point with flattened space for needle holder.

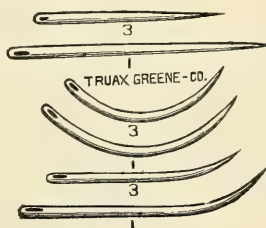


Fig. 8193 Emmet's Round Needles, doz., 75c.



Fig. 8201 Sims' Perineum Needles, doz. \$1.00. Round shaft and triangular point.



Fig. 8203 Thomas' Perineum Needles, doz. 75c.

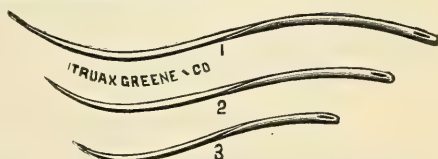


Fig. 8206 Double Curved Surgeon's Needles, doz., 75c.



Fig. 8207 Plain Small Pedicle Needle, 20c.

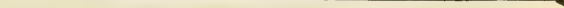


Fig. 8208 Peck's Long Pedicle Needle, 35c.



Fig. 8186 Skene's Cervical Needles, doz., \$1.00. Round shaft and triangular point.

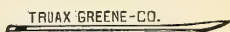


Fig. 8189 Henry Palmer's Uterine Needle, doz., \$1.50. Shaft square and lance point.



Fig. 8199 Emmet's Lance Point Needles, doz., 75c. Shaft round and lance point.



GYNECOLOGICAL INSTRUMENTS.

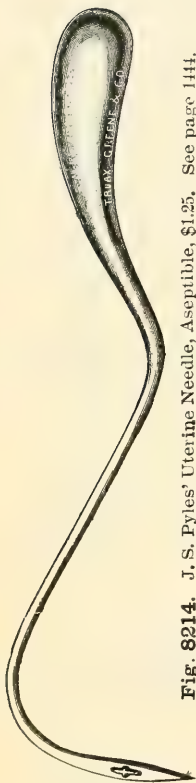


Fig. 8214. J. S. Pyles' Uterine Needle, Aseptible, \$1.25. See page 144.

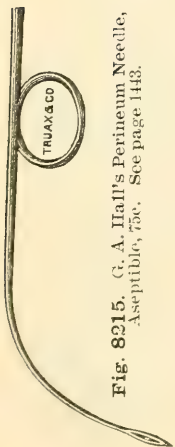


Fig. 8215. G. A. Hall's Perineum Needle, Aseptible, 75c. See page 143.



Fig. 8216. Hall's Laparotomy Needle, Aseptible, \$1.00. See page 1443.



Fig. 8217. Hall's Laparotomy Needle, open eyes, Hagedorn point, Aseptible, \$1.25. See page 1443.

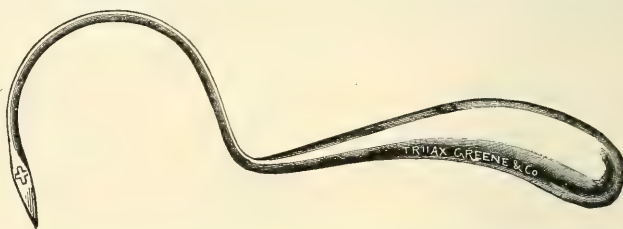


Fig. 8218. Nelson's Full Curved Pedicle Needle, Aseptible, \$1.25. See page 1443.

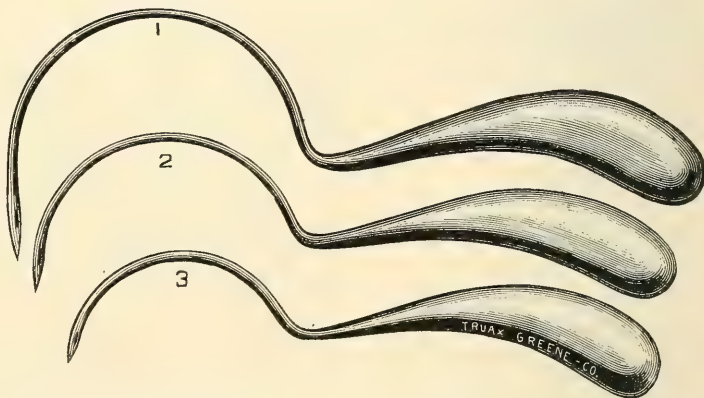


Fig. 8219. Pean's Full Curved Needles, Aseptible, 3 sizes, each \$1.25. See page 1443.



Fig. 8220. Nelson's Double Curved Pedicle Needle, Aseptible, \$1.25. See page 1443.

GYNECOLOGICAL INSTRUMENTS.

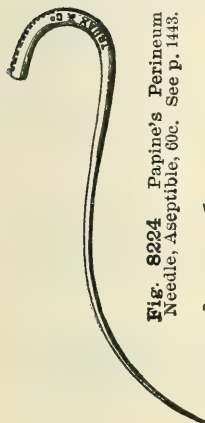


Fig. 8224. Papine's Perineum Needle, Aseptible, 60c. See p. 1443.



Fig. 8226. J. T. Binckley's Removable Point Perineum Needle, Aseptible, \$2.50. See page 1443.



Fig. 8227. J. T. Binckley's Split Eye Perineum Needle, Aseptible, \$1.75. See page 1443.



Fig. 8228. Ashton's Perineum Needle, Aseptible, \$1.00. See page 1443.



Fig. 8229. Whitehead's Helical Needle, Aseptible, \$1.25. See page 1443

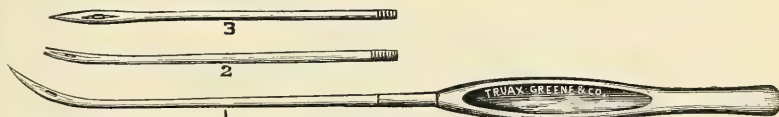


Fig. 8230. Peaslee's Set Perineum Needles, Aseptible, \$2.25. See page 1443.



Fig. 8231. Skene's Straight Perineum Needle, Aseptible, \$1.00. See page 1443.



Fig. 8232. Plain Perineum Needle, Aseptible, \$1.00. See page 1443.



Fig. 8233. Reverdin's Closing Eye Needle, Folding Handle, \$3.25. See page 1443.



Fig. 8234. Straight Reverdin's Needle, \$2.50. See page 1443.



Fig. 8225. Peaslee's Perineum Needle with Hagedorn Point, Aseptible, \$1.35. See page 1443.

GYNECOLOGICAL INSTRUMENTS.



Fig. 8238. Pratt's Reverdin's Needle, with Closing Eye, \$2.75. See page 1443.



Fig. 8239. Von Brun's Canulated Needles, set 2 in case, \$3.00; 3 in case, \$4.00. See page 1443.



Fig. 8240. Greene's Long Curve Needle, Right and Left, Aseptible, \$1.25. See page 1443.

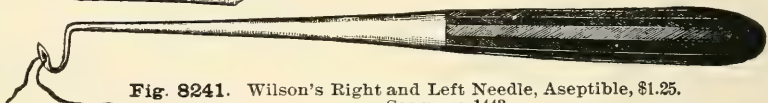


Fig. 8241. Wilson's Right and Left Needle, Aseptible, \$1.25. See page 1443.

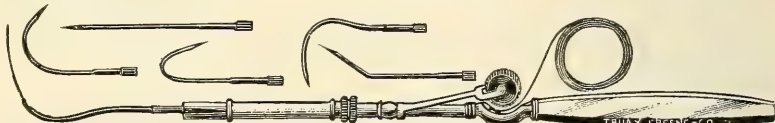


Fig. 8242. Collins' Set Canulated Needles, in case, \$13.50. See page 1443.

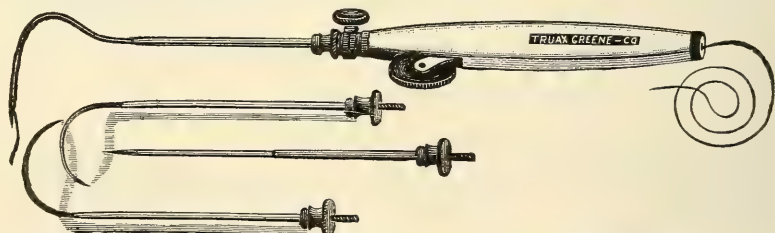


Fig. 8243. Pease's Canulated Needles, set, \$8.00. See page 1443.

Fig. 8244. Wilson's Perineum Needle, Aseptible, \$1.00. See page 1443.

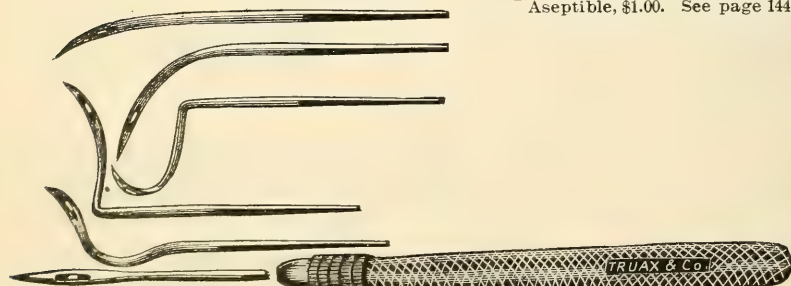
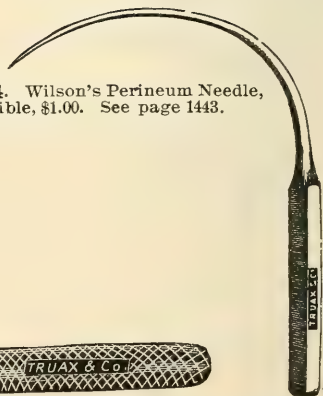


Fig. 8245. Truax' Set of Uterine Needles—Straight, Helical, Right and Left—Half-curved and Full-curved, with Handle, in neat case, \$4.00. See page 1444.



GYNECOLOGICAL INSTRUMENTS.

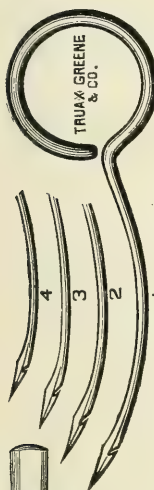


Fig. 8253. Mooij's Perineum Needles, 4 sizes, each 60c. See page 1443.

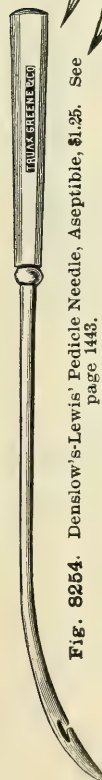


Fig. 8254. Denslow's-Lewis' Pedicle Needle, Aseptible, \$1.25. See page 1443.

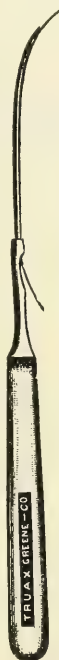


Fig. 8255. Stone's Canulated Needle, \$1.00. See page 1443.

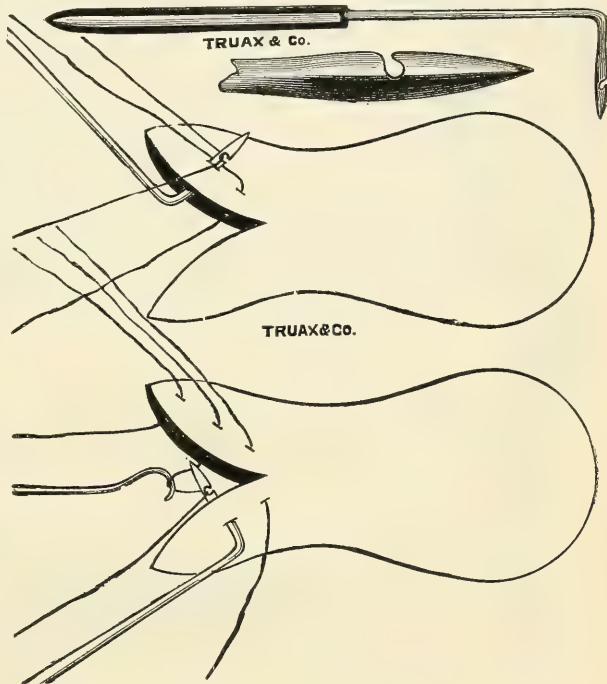


Fig. 8256. Jackson's Cervical Needle (showing method of operation), set of two Needles, \$2.25. See page 1444.

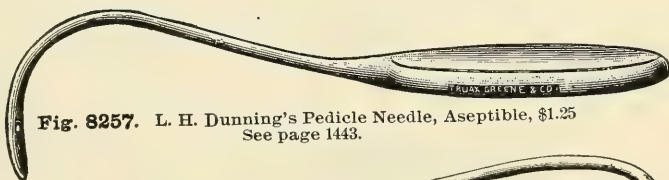


Fig. 8257. L. H. Dunning's Pedicle Needle, Aseptible, \$1.25. See page 1443.

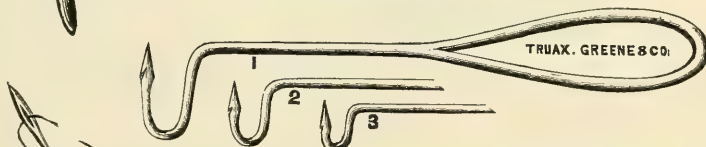


Fig. 8258. Mooij's Fistula Needles, 3 sizes, each \$1.00. See page 1443.

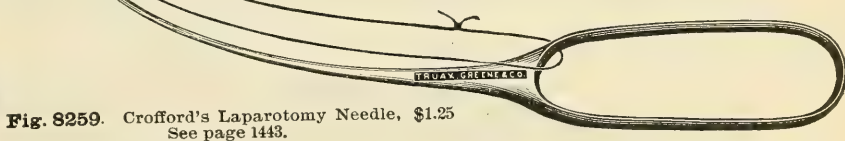


Fig. 8259. Crofford's Laparotomy Needle, \$1.25. See page 1443.

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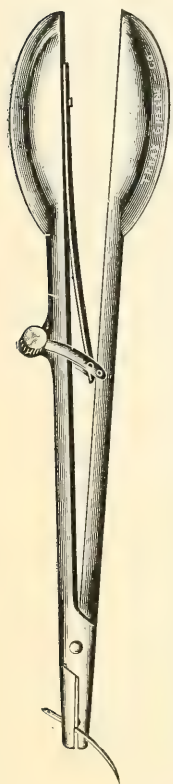


Fig. 8249. Improved Russian Needle Holder, Aseptible, \$2.50. See page 758.

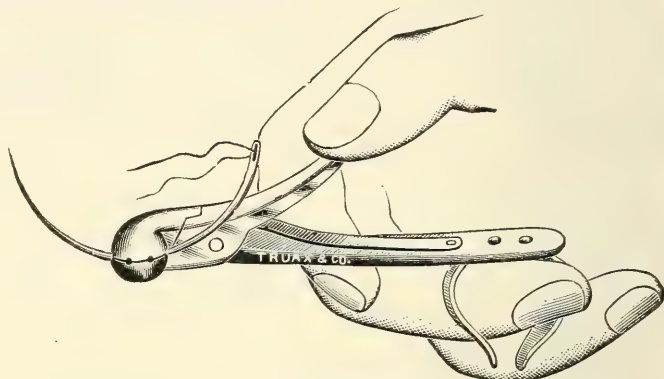


Fig. 8251. Truax Finger Needle Holder, \$2.00. See page 759.
The needle, as shown here, is grasped by the holder near its centre, the better to show it pointing on a line parallel with the holder.

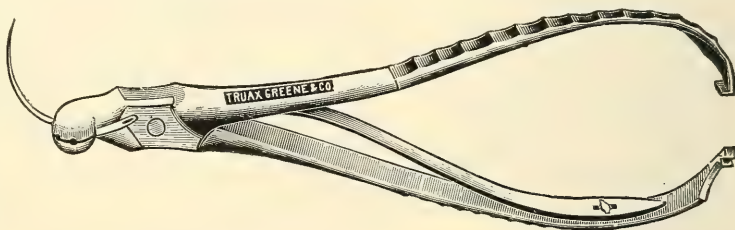


Fig. 8246. J.H. Ethridge's Automatic Needle Holder, Aseptible, \$3.00. See page 758.
Extra Length, \$3.25.

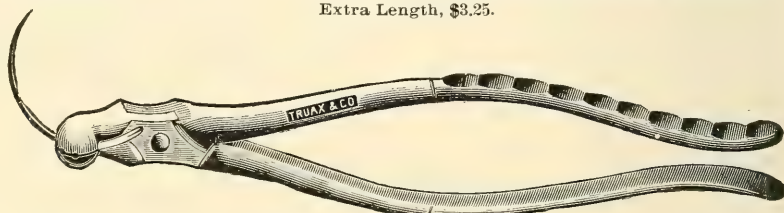


Fig. 8247. Truax Plain Aseptible Needle Holder, \$2.50. See page 759.



Fig. 8248. Truax Modification of Emmet's Needle Holder, Aseptible, \$2.50. See page 759.

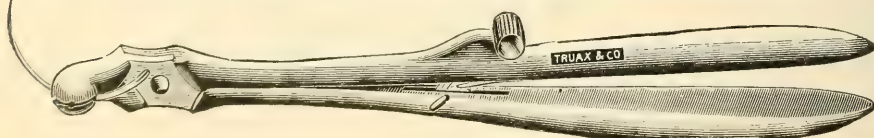


Fig. 8250. Truax Modification of the Russian Needle Holder, Aseptible \$2.50. See page 759.

GYNECOLOGICAL INSTRUMENTS.

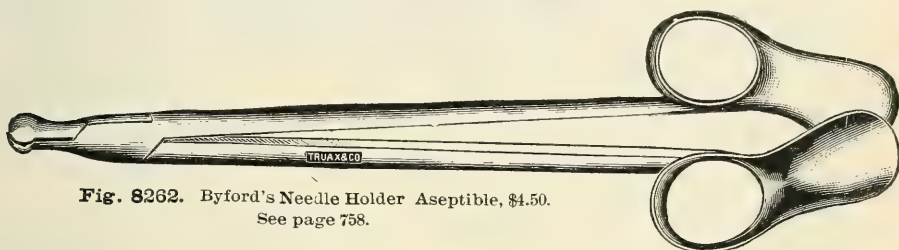


Fig. 8262. Byford's Needle Holder Aseptible, \$4.50.
See page 758.

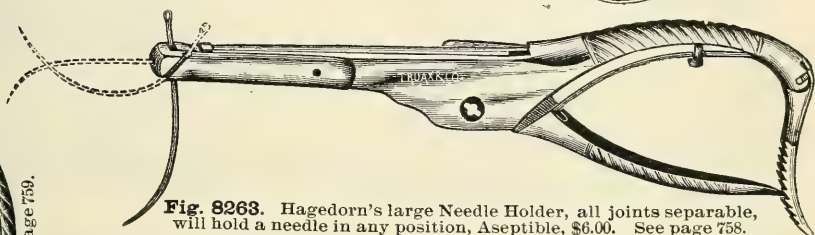


Fig. 8263. Hagedorn's large Needle Holder, all joints separable, will hold a needle in any position, Aseptible, \$6.00. See page 758.

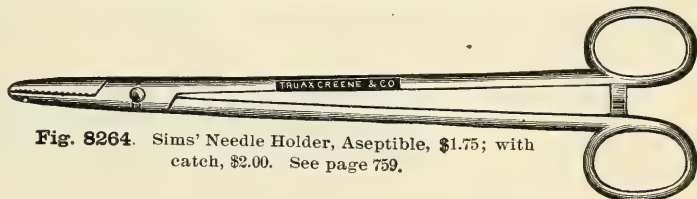


Fig. 8264. Sims' Needle Holder, Aseptible, \$1.75; with catch, \$2.00. See page 759.

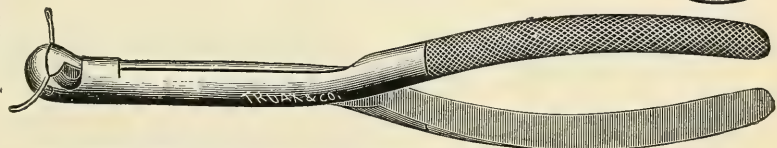


Fig. 8265. Pratt's Hagedorn's Needle Holder, for flat needles, Aseptible, \$3.00.
See page 759.



Fig. 8266. Skene's Needle Holder, with pistol-shaped handle, Aseptible, \$5.00. See page 758.

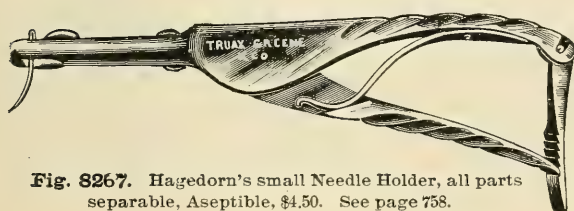


Fig. 8267. Hagedorn's small Needle Holder, all parts separable, Aseptible, \$4.50. See page 758.

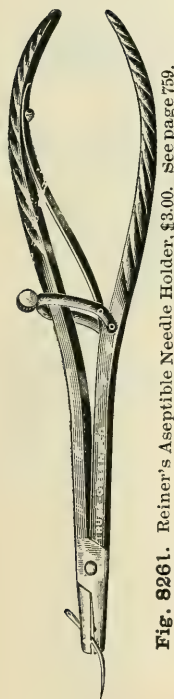


Fig. 8261. Reiner's Aseptible Needle Holder, \$3.00. See page 759.

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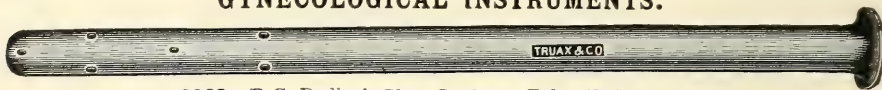


Fig. 8268. E. C. Dudley's Glass Drainage Tube, 12 sizes, each 35c.



Fig. 8269. Brun's Flexible Drainage Tube Carrier, \$1.75. See page 764.



Fig. 8267. Decalcified Bone Drainage Tube. See page 763.



Fig. 8270. Hamilton's Drainage Tube Carrier, \$3.75. See page 764.



Fig. 8271. India Rubber Drainage Tube, per yard, 25c. to 35c. See page 764.



Fig. 8272. Carbolized Soft Rubber Drainage Tubes, 6 in bottle, each 6 inches long 35c. See page 764.



Fig. 8274. E. Andrew's Soft Rubber Suction Drainage Tube, 75c. See page 764.

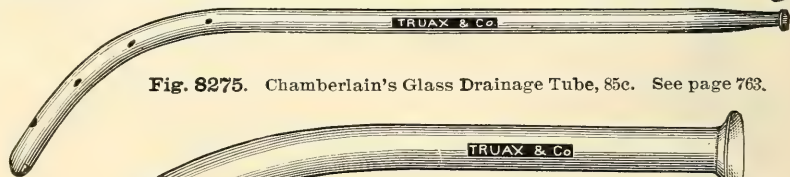


Fig. 8275. Chamberlain's Glass Drainage Tube, 85c. See page 763.

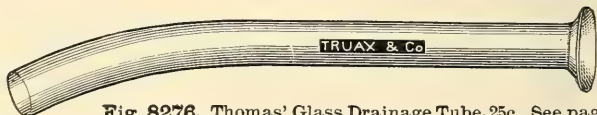


Fig. 8276. Thomas' Glass Drainage Tube, 25c. See page 764.



Fig. 8277. Gross' Drainage Tubes, Glass.

FURNISHED IN SEVEN SIZES.

These tubes have large holes, one-half inch apart, arranged alternately on opposite sides. They are carefully finished, especial care being taken to make them smooth. In addition to the drainage holes, each tube has at one end two smaller holes for the insertion of safety pin, through which it is prevented slipping into the wound.

1. Length 63mm., diam. 7mm., 4 holes, per doz., \$1.25	5. Length 102mm., diam 9mm., 7 holes, per doz. \$1.70
2. " 63 " " 8 " 4 " " 1.25	6. " 114 " " 9 " 8 " " 1.90
3. " 76 " " 9 " 5 " " 1.40	7. " 126 " " 10 " 9 " " 2.10
4. " 88 " " 9 " 6 " " 1.55	

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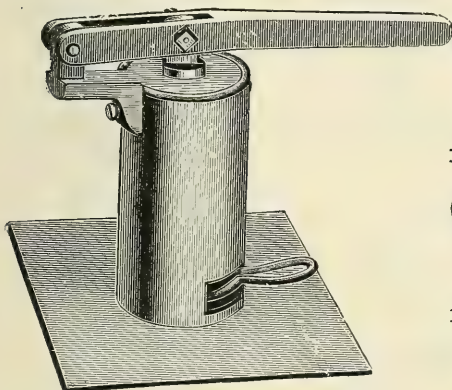


Fig. 8287. J. B. Greene's Shot Perforator, \$3.50. See page 1449.



Fig. 8284. Keith's Glass Drainage Tube, 50c.



Fig. 8285. Tait's Glass Drainage Tube, 50c.



Fig. 8286. Schapp's Hard Rubber Spiral Drainage Tube, 50c. to 75c.

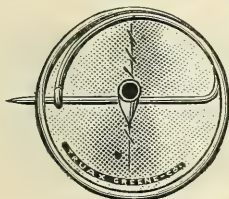


Fig. 8289. Hancock's Ligature Pin, 25c.



Fig. 8288. Callender's Metal Self-retaining Drainage Tubes, \$2.00.

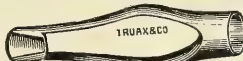


Fig. 8290. Huel's Drainage Opening Punch, \$1.15.

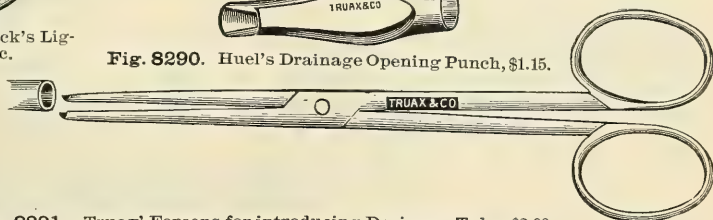


Fig. 8291. Truax' Forceps for introducing Drainage Tube, \$2.00.



Fig. 8293. Thomas' Hard Rubber Double Drainage Tube, \$1.75.

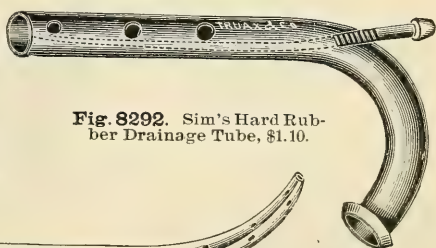


Fig. 8292. Sim's Hard Rubber Drainage Tube, \$1.10.

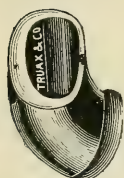


Fig. 8294. Byford's Fistula Drainage Tube, \$1.75.

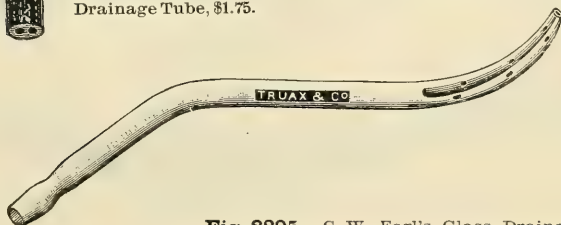
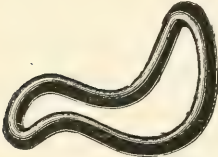


Fig. 8295. C. W. Earl's Glass Drainage Tube, \$1.00.

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The Goodrich Hard Rubber Co's Druggists' Sundries.

PESSARIES.



Smith's, per doz., \$2.50.



Hodge's, S. S., doz., \$2.50



Horseshoe, doz., \$2.50.



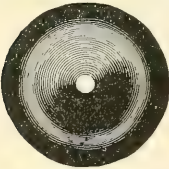
Thomas', per doz., \$5.00.



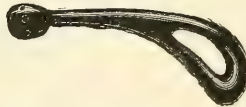
Cutter's, ring stem, each, \$1.00.



Bow, per doz., \$2.50.

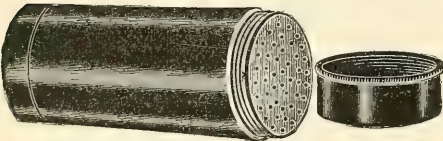


Concave, doz., \$3.00.

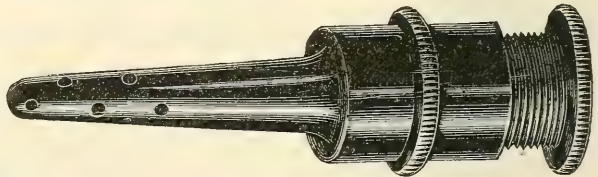


Cutter's, anti-version, each \$1.00

IODOFORM BOXES.



Iodoform Box, each, 75c to \$1.00



Pile Pipes, each 60c; per doz., \$6.00

SUPPOSITORS.



No. 1, per doz., \$4.50. No. 2, per doz., \$5.00

THERMOMETER CASES.



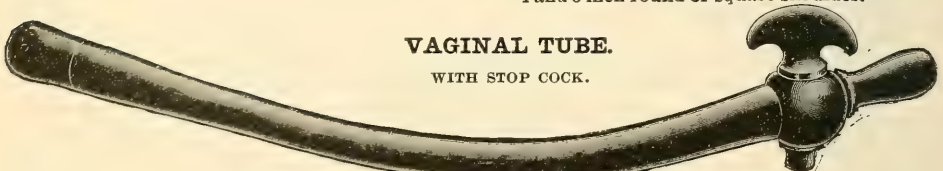
4 inch New Style.



4 and 5 inch round or square shoulder.

VAGINAL TUBE.

WITH STOP COCK.



Vaginal Tube, with stop cock, per doz., \$7.50; each, 75c.

FOR SALE BY CHAS. TRUAX, GREENE & CO.

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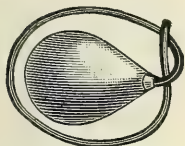


Fig. 8300. Pear Shaped Inflating Pessary, 30c. to 40c. See p. 1445.

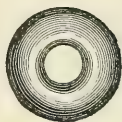


Fig. 8302. Inflated Ring Pessary, 30c. to 40c. See page 1446.



Fig. 8304. Hard Rubber Ring Pessary, 25c. See page 1446.



Fig. 8306. Inflating Ring Pessary, 30c. to 40c. See page 1446.



No. 5 made in 5 sizes.
Fig. 8308. Albert Smith's Pessary, 25c.; Doz., \$2.00. See page 1446.



No. 3 made in 3 sizes.
Fig. 8310. Hodges' Horseshoe Pessary, 25c.; Doz., \$2.50. See p. 1445.



No. 7 made in 7 sizes.
Fig. 8312. Hodges' Bow Pessary, 25c.; Doz., \$2.00.



No. 5 made in 5 sizes.
Fig. 8314. Thomas' Retroflexion Pessary, 50c. See page 1446.

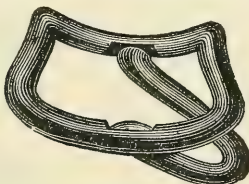
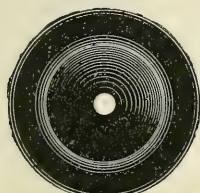


Fig. 8316. Thomas' Anteversion Pessary, \$1.00. See page 1446.



Fig. 8318. Hodges' Closed Lever Pessary, 25c.; Doz., \$2.00.



No. 5 made in 4 sizes.
Fig. 8320. Hard Rubber Concave Pessary 25c.; Doz., \$2.00.



Fig. 8321. Thomas'-Hodges' Pessary, 75c. See page 1446.



Fig. 8324. Thomas'-Meigs' Elastic Ring Pessary, 30c. See page 1446.



Fig. 8326. Thomas' Retroversion Pessary, 75c. See page 1446.

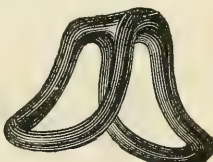


Fig. 8328. Graily-Hewitt's Pessary, 75c.



Fig. 8330. Sleigh Pessary, 55c. See page 1446.



Fig. 8332. Plain Stem Pessary, 35c. See page 1446.



Fig. 8334. Thomas' Galvanic Stem Pessary, \$1.00. Page 1446.



Fig. 8333. Jackson's Elastic Stem Pessary, 35c. Page 1445.

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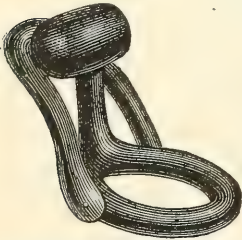


Fig. 8350. Thomas' Antelexion Pessary, \$1.50. See page 1446.

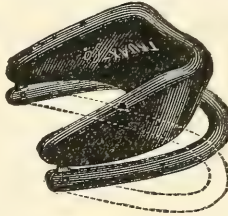


Fig. 8352. Thomas' Anteversion Pessary, 75c. See page 1446.



Fig. 8354. Hewitt's Cradle Pessary, 45c. See page 1445.

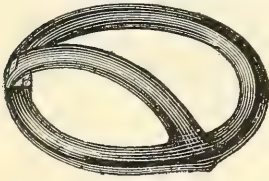


Fig. 8355. Hitchcock's Anteversion Pessary, 60c. See page 1445.

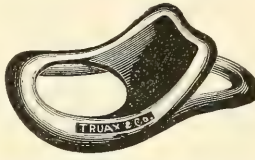


Fig. 8357. Thomas' Anteversion and Antelexion Pessary, \$1.25. See page 1446.



Fig. 8359. Fowler's Pessary, \$1.25. See page 1445.

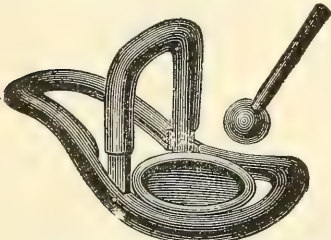


Fig. 8361. Thomas' Lateroflexion Pessary, \$1.75. See page 1446.

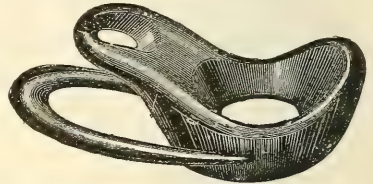


Fig. 8363. Fowler's Bow Pessary, \$1.75. See page 1445.



Fig. 8366. Globe Pessary, 25c. to 85c. See page 1445.

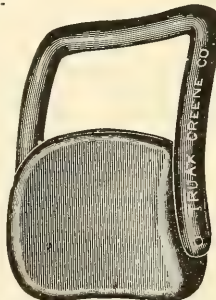


Fig. 8364. Bromley's Pessary, \$2.00. See page 1444.

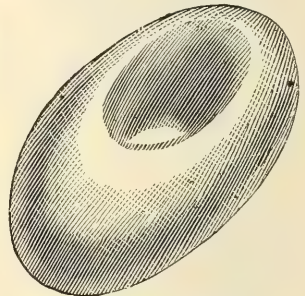


Fig. 8367. Hurd's Pessary, \$1.00. See page 1445.

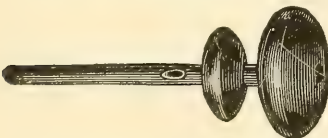


Fig. 8369. Peaslee's Stem Pessary, \$1.00. See page 1446.

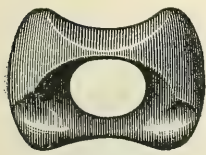


Fig. 8371. Jackson's Hard Rubber Stem Pessary, 75c. See page 1445.



GYNECOLOGICAL INSTRUMENTS.

DAVIDSON RUBBER CO'S SOFT RUBBER PESSARY.



DAVIDSON RUBBER CO.

Fig. 8385.

This pessary acts as a vaginal support and may be made to do good service in most cases of uterine displacement. It is shaped to fit the anatomical contour of the parts, hence it may be worn in cases where other forms are not permissible.

Price.....\$1.00



Fig. 8387. H. T. Byford's Retroversion Pessary, \$1.00. See page 1444.

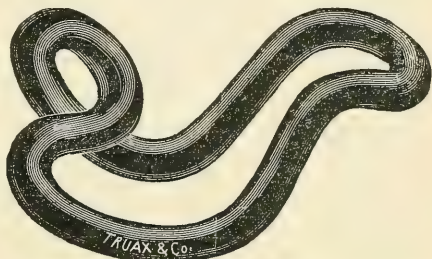


Fig. 8389. H. T. Byford's Modified Retroversion Pessary, \$1.00. See page 1444.

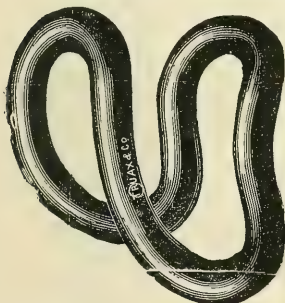


Fig. 8391. Gehring's Anteversion Pessary, 35c. See page 1445.

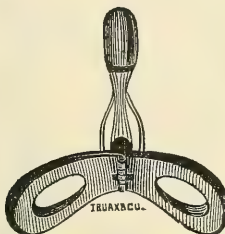


Fig. 8393. Zwanck's Pessary, \$1.10 to \$1.25. See page 1447.

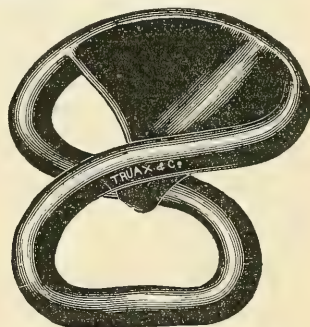


Fig. 8395. Gehring's Anteversion Pessary, \$1.50. See page 1445.

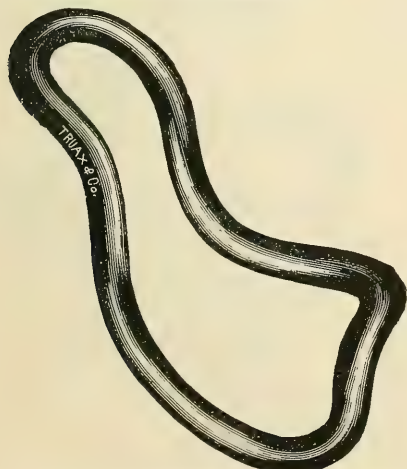


Fig. 8397. Gehring's-Smith's Retroversion Pessary, 40c. See page 1445.

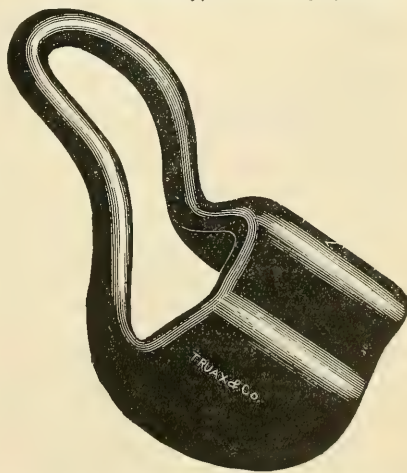


Fig. 8399. Gehring's Retroflexion Pessary, \$1.50. See page 1445.

HOFMANN'S PERFECTED ANATOMICAL PELVIC PESSARY.

I claim that this Pessary is infinitely superior to any Pessary ever brought to the attention of the profession; that it is, in fact, the only Pessary ever devised without strict reference to anatomical conformity. It is very nearly a miniature copy of the bony pelvis, and its advantages are self-evident.

The superior-posterior elevation being CONCAVE, fits the CUL DE-SAC. The posterior and anterior concavities bridge, respectively, the rectum and bladder. The lateral grooves support the broad ligaments. The lateral concavities receive the soft parts, which help to secure the Pessary against FRICTIONAL ROTATION. The contraction-pressure of the vagina upon the sloping inferior section of the Pessary holds it firmly in position. I am confident that the PERFECTED ANATOMICAL PELVIC PESSARY will commend itself to the approving judgment of the enlightened practitioner.


N. B.—It is my earnest advice to employ at first the SMALLEST of the sizes PERMISSIBLE IN ANY GIVEN CASE, and to advance to the use of the larger sizes only as the case MAY ACTUALLY INDICATE THAT NECESSITY.

I have seldom found it needful to advance beyond No. 2. Numbers 0 and 1 will be found large enough in a considerable majority of cases.


The Pessary is made of both **SOFT AND HARD RUBBER**. size "00" is the smaller and measures two inches, and is the *only size* having the **RUBBER SACK ATTACHMENT**, and is made of *soft rubber only*. It is invaluable in the treatment of **ULCERATIONS AND INFLAMMATIONS**, the sack being the vehicle for the local applications. It is very effective also in **sterility**, and does not interfere with **COITION**.

Exact Measurement of Transverse Diameter of the Perfected Anatomical Pelvic Pessary.

No. 00, with sack over lower opening	2	2
" 0, without sack	2	4 16
" 1	2	7 16
" 2	2	10 16
" 3	2	13 16
" 4	3	
Physicians supplied, Soft Rubber each,	1	50
" " Hard	2	00
A single Pessary for trial, Soft Rubber	1	00
" " " Hard	2	00

 Dr. Hoffmann solicits the attention of the profession, in connection with his Pessary to his "PERFECTED ADJUSTABLE ABDOMINAL SUPPORTER," on *measurement orders*, at \$6.00. Take the measurement around the hips, just below the *Crest of the Ilium*.

 Beware of unscrupulous dealers giving you the "Old Style" for the PERFECTED.

 NO PESSARIES GENUINE excepting those bearing my full name and date of patents, and no Adjustable Abdominal Supporter genuine excepting those having my trade mark.

ERNST F. HOFMANN, M. D.

The Pessary or Supporter will be sent *by mail on receipt of price.*

Address all communications and remittances, and mention this list to

ERNST F. HOFMANN, M. D.

45 W. 25th St., New York.

A descriptive illustrated circular sent on application. For sale at all Drug Stores and Surgical Instrument Makers, and by CHAS. TRUAX, GREENE & CO., CHICAGO.

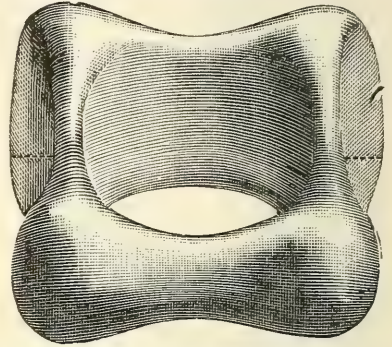


PLATE 1.—Size 1. Superior Anterior View.—
A. Superior and posterior concavities. B. Anterior and superior concavities. E. Central orifice. G. Lateral concavities.

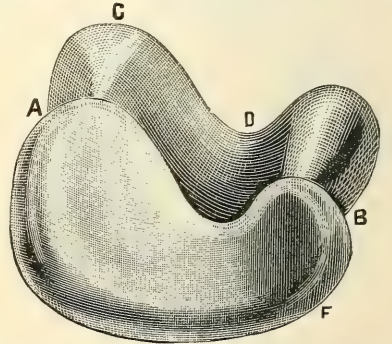


PLATE 2.—Size 1. Right Lateral View.—A. Superior and posterior concavities. B. Superior and anterior concavities. C. Superior posterior elevation. D. Lateral grooves. E. Slope of inferior-anterior surface. G. Lateral concavities.

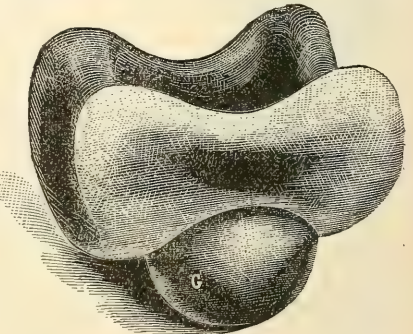


PLATE 3.—Size 00. Anterior-Inferior View.—Showing a thin india-rubber sack enveloping the inferior opening of the central orifice.



GYNECOLOGICAL INSTRUMENTS.



Fig. 8414. Cutter's Prolapsus Pessary, \$1.50. See page 1444.



Fig. 8416. Thomas' Mod. Cutter's T Pessary, \$2.00. See page 1446.

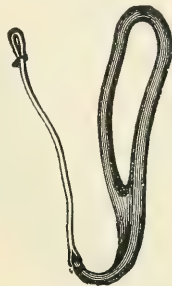


Fig. 8418. Cutter's Retroversion Pessary, \$1.25. See page 1444.



Fig. 8420. Thomas' Mod. Cutter's Retroversion, \$1.25. See p. 1446.



Fig. 8422. Scott's Pessary, with band, \$1.75.



Fig. 8424. Cutter's T Pessary, \$1.50. See page 1444.

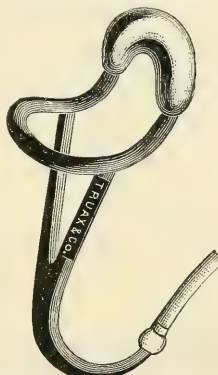


Fig. 8426. Thomas' Mod. Cutter's Pessary, for Retroflexion, \$2.00. See page 1446.



Fig. 8428. Cutter's Mod. T. Pessary, \$1.50. See page 1444.

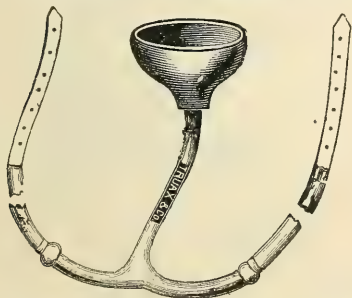


Fig. 8430. Thomas'-Cutter's Prolapsus Pessary, \$1.50.

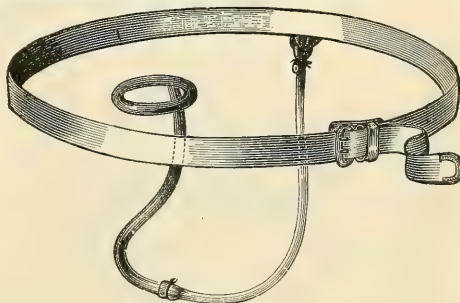


Fig. 8432. Cutter's Ring Pessary, \$1.50.

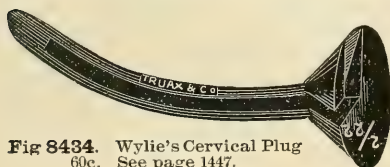


Fig. 8434. Wylie's Cervical Plug 60c. See page 1447.



Fig. 8436. Thomas' Glass Cervical Plug, 25c. See page 1447.

CHAS **TRUAX & CO** *GREENE & CO*

GYNECOLOGICAL INSTRUMENTS.



Fig. 8466. Chambers' Stem Pessary and Introducer, with 3 Pessaries, \$2.25. See page 1446.

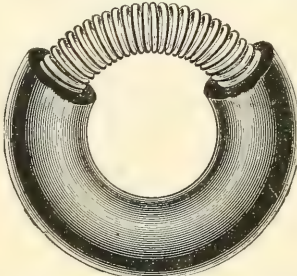


Fig. 8450. German Ring Pessary, Heavy, 75c.

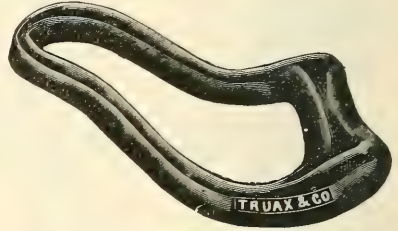


Fig. 8452. Ovarian Pessary, Right, Left or both sides, each, \$1.50. See page 1445.

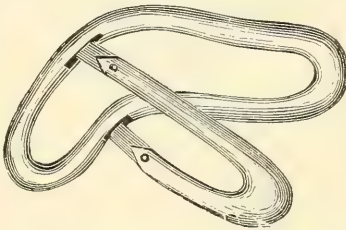


Fig. 8454. Thomas' Retroflexion Pessary, with cervical rest, 75c. See page 1446.

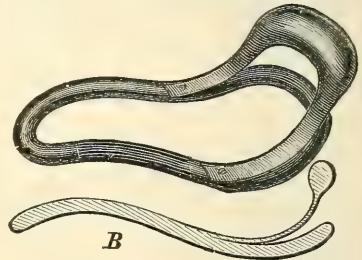


Fig. 8456. Cole's Anteversion Pessary, \$2.25. See page 1444.



Fig. 8457. Emmet's Heavy Hard Rubber Pessary, 65c. See page 1444.



Fig. 8458. Skene's Bladder Pessary, \$1.50. See page 1446.

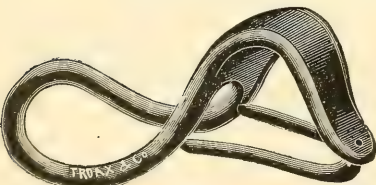


Fig. 8460. Skene's Cystocele Pessary, \$1.50. See page 1446.

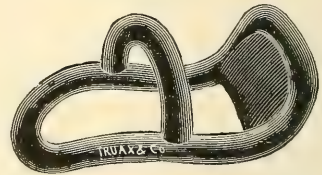


Fig. 8462. Woodward's Pessary, 95c. See page 1447.

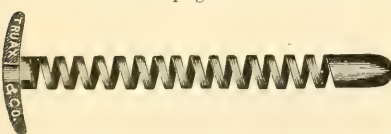


Fig. 8464.

cases, I confidently recommend it as greatly superior to any device hitherto employed for its purpose." It is made in nine different sizes.

A. Reeves Jackson.—*North American Practitioner*, March, 1890.

Fig. 8464 shows Dr. A. Reeves Jackson's Spiral Hard Rubber Stem Pessary. "Being flexible in all directions, it may, after dilatation of the cervical canal, be introduced with the greatest facility. It provides in the most admirable manner for constant drainage, a matter of the utmost importance in many cases of endometritis. So far as I am able to judge what such an appliance ought to be, and with an experience of its actual employment limited thus far to only three



GYNECOLOGICAL INSTRUMENTS.
THE DEWEES NATURAL BODY BRACE.

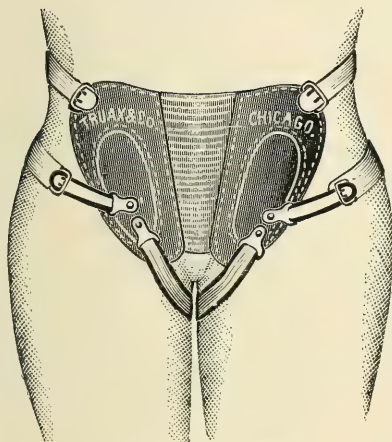


Fig. 8476. Front View.

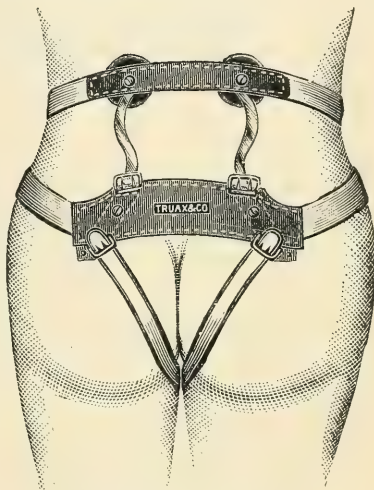


Fig. 8476. Back View.

The Dewees Natural Body Brace is the only Supporter in the market that exerts its corrective influence in a natural or proper direction.

A good result can only be obtained from a Supporter that tends to lift up the prolapsed organs and strengthen the weakened muscles, rather than to act as a simple compressor, as is the case with most patterns in common use.

The most essential feature peculiar to this brace are the two "S" shaped steel springs that form the support for the brace, and to which are attached at their upper terminals the elastic hip bands that exert upward and inward traction on the abdominal pad. These steel springs each terminate at either end in round pads, neatly covered with fine, soft material, so that however firmly they may rest on the parts they will produce little or no irritation.

Send for full descriptive circular.

Price to patients, \$6.00. Special rates to physicians.



Fig. 8477. Thomas' Cup Supporter, with Band and Tubes, to patients, \$4.00.

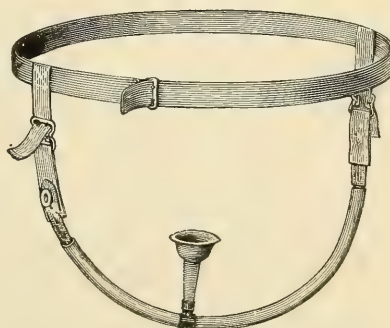


Fig. 8479. Wadsworth's Supporter, Soft Rubber Cup, to patients, \$6.00

BAGS, Obstetrical, 12-inch, regular width	\$2 50
Obstetrical, 13-inch, regular width	2 65
“ 14 “ “	2 80
“ 15 “ “ Fig. 8511	3 00
“ 16 “ “	3 15
“ 17 “ “	3 30
“ 12 “ extra wide	2 90
“ 13 “ “	3 05
“ 14 “ “	3 25
“ 15 “ “	3 40
“ 16 “ “	3 55
“ with 6 bottles on side, 14 inches, Fig. 8509	3 30
“ “ 6 “ “ 15 “	3 45
“ “ 6 “ “ 16 “	3 60
“ “ 6 “ “ 17 “	3 75
“ “ 4 glass bottles in center, 15 inch, Fig. 8505	4 25
“ 16 inch, Fig. 8505	4 50
“ 17 “ “ 8505	4 75
“ Cabin pattern, 12 inch, Fig. 8513	4 00
“ “ “ 14 “	4 25
“ “ “ 15 “	4 25
“ “ “ 16 “	4 75
“ “ “ 17 “	5 00
“ “ with 6 bottles on side, 14 inch	4 75
“ “ “ 6 “ “ 15 “	4 75
“ “ “ 6 “ “ 16 “	5 25
“ “ “ 6 “ “ 17 “	5 50
BED PAN, Crandall's, Obstetrical, Fig. 8710	10 00
BLUNT HOOK, Plain, in metal handle, Fig. 8693	1 50
Taylor's	1 50
And Crotchet combined, Fig. 8685	1 00
“ “ “ Bedford's	4 50
“ “ “ Budd's, guarded, Fig. 8683	3 30
CATHETER, Obstetrical, Windrow's, half curve, Fig. 8707	75
Obstetrical, Windrow's, full curve, Fig. 8708	1 00
Braun's, balloon, to inflate the lungs of new born infants, Fig. 8709	1 50
CEPHALOTRITE, Braun's, Fig. 8620	11 25
Hodge's	15 00
Lusk's, Fig. 8622	13 50
CLAMP, Funis, Puling's	40



OBSTETRICAL INSTRUMENTS.

COLPEURYNTER, Braun's, with stop-cock, pure gum, Fig. 8711.....	\$ 1 00
“ without stop-cock.....	65
CRANIOCLAST, Simpson's, Fig. 8624	7 50
F. A. Stahl's, Fig. 8619.....	13 00
CROTCHETS, plain, with metal handle.....	1 50
Elliott's.....	1 50
Taylor's.....	1 50
And blunt hook, Fig. 8685.....	1 00
CURETTE, Munde's, Fig. 8681.....	1 50
FORCEPS, Craniotomy, Elliott's.....	2 50
Craniotomy, Budd's	3 75
“ Meigs', straight or curved, Fig. 8633.....	2 25
“ Thomas', Fig. 8617.....	3 75
Embryotomy, Loomis', Fig. 8637.....	4 00
“ plain, Fig. 8640.....	3 00
“ Carey's.....	2 75
Obstetrical, Barnes'.....	6 00
“ Bedford's, Fig. 8572.....	6 00
“ Bethel's.....	5 50
“ Brickell's.....	6 00
“ Budd's	6 00
“ Burdick's	6 75
“ Clark's, Fig. 8591.....	5 00
“ Coles'	6 00
“ Comstock's, Fig. 8561	4 75
“ Davis'.....	5 00
“ Denman's	5 25
“ Elliott's, Fig. 8570.....	4 50
“ metal handle, Fig. 8570.....	5 00
“ Felsenrich's modification of Tarnier's.....	16 00
“ Hale's, short, old pattern, \$4.00; new pattern, Fig. 8597... ..	5 00
“ long, Fig. 8593.....	6 50
“ Hodges', Fig. 8580.....	3 50
“ Jenks', long, Fig. 8558.....	6 25
“ short, Fig. 8559.....	4 50
“ Knox', short, Fig. 8603, \$4.50; long, Fig. 8590.....	5 00
“ Leavitt's, Fig. 8563.....	5 50
“ Lusk's-Tarnier's.....	18 00
“ McLean's.....	6 00
“ Miller's, Fig. 8574.....	5 00
“ Naegeli's.....	6 00
“ Roller's, Fig. 8554.....	6 00
“ Sawyer's, Fig. 8556.....	4 00
“ Simpson's, long, \$5.00; short.....	4 50
“ all metal handles, Fig 8552.....	6 00
“ Tarnier's.....	12 00
“ Scroggs', short, Fig. 8601.....	4 50
“ Stone's Fig. 8578	4 50



OBSTETRICAL INSTRUMENTS.

FORCEPS, Obstetrical, Tarnier's, latest model, Fig. 8598	\$22 50
Obstetrical, Tarnier's, Fig. 8576	20 00
" " modified by Felsenrich,	16 00
" Thomas', Fig. 8582	5 00
" Wallace's, Fig. 8551	5 00
" White's	5 50
Placenta, Bond's	1 90
" Budd's	1 90
" Carey's	2 75
" Chamberlain's, Fig. 8643	3 25
" Clark's, Fig. 8647	2 00
" Double crossing,	2 25
" Hart's	2 25
" Loomis', Fig. 8637	4 00
" Munde's	2 25
" Plain, fenestrated, nickel-plated, Fig. 8639	1 85
" Ruth's, large, Fig. 8687, \$3.00; small, Fig. 8689	2 50
" Schnetter's, Fig. 8645	4 50
HOOK, Placenta, Dewey's	75
" Leavitt's, Fig. 8691	1 00
Decapitating, Fig. 8695	1 75
" Braun's	2 25
HOOK AND LEVER, Carey's	75
MANIKIN AND FÆTUS, leather covered, for college use, French	40 00
PENVIMETERS, see page 964.	
PERFORATORS' Bachelдор's	3 75
Bedford's	2 25
Blot's, Fig. 8658	4 50
Braun's Trephine, Fig. 8670	8 00
Holmes', Fig. 8668	3 75
Naegeli's, Fig. 8664	3 00
Simpson's, Fig. 8666	2 25
Smellie's, Fig. 8662	1 85
Thomas', Fig. 8660	5 00
White's	3 35
POUCHES, Obstetrical, to roll up, ordinary	3 00
Obstetrical, to roll up, best quality	5 00
SCISSORS, Placenta, Fig. 8716	1 25
SLIPPERS, Kline's, see page 1538	pair 5 00
Kline's, in case	6 00
" " with silk and umbilical scissors	7 50
TRACTION RODS, Reynold's, aseptic, Fig. 8712	4 00
TREPHINE, Craniotomy, Braun's, Fig. 8670	8 00
Craniotomy, Thomas'	5 00
" Truehart's	6 00
VECTUS, Plain handle, Fig. 8715, \$1.75; folding, Fig. 8697	2 65
Ryerson's, adjustable	5 25
White's	1 90

HAS TRUAX & CO. GREENE & CO.

OBSTETRICAL INSTRUMENTS.

TRUAX, GREENE & CO'S No. 1 Obstetrical Set\$13.00 Containing:

Elliott's obstetrical forcep.

Meigs' craniotomy forcep.

Smellie's perforator.

Blunt hook and crotchet.

Placenta forcep.

Ordinary roll-up pouch.

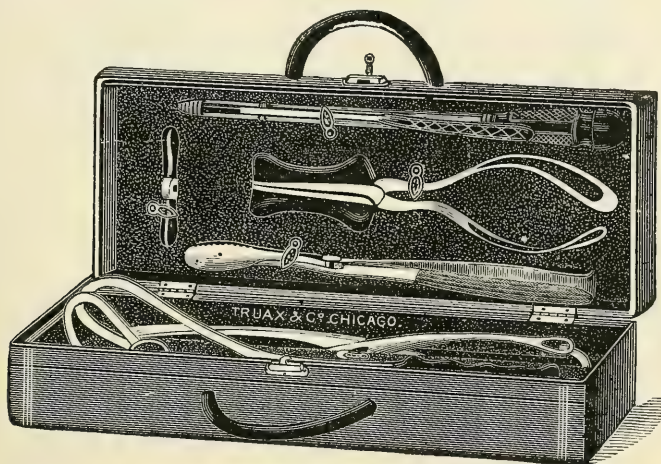


Fig. 8503. Truax, Greene & Co's Complete Obstetrical Case, \$29.00.

TRUAX, GREENE & CO'S Complete Obstetrical Case, Fig. 8503.\$29.00

Elliott's obstetrical forcep.

Jenks' short obstetrical forcep.

Budd's blunt hook and crotchet.

Placenta forcep.

Thomas' perforator.

Thomas' craniotomy forcep.

In an elegant velvet-lined case, instruments all carefully fitted and everything of the best quality.

The above cases furnished complete or in part, to suit the wants of the purchaser.

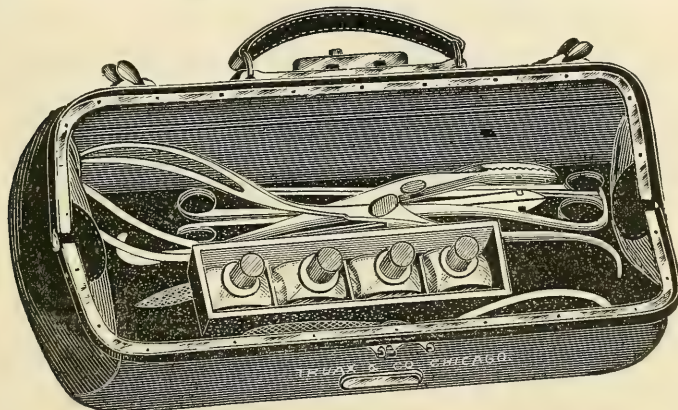
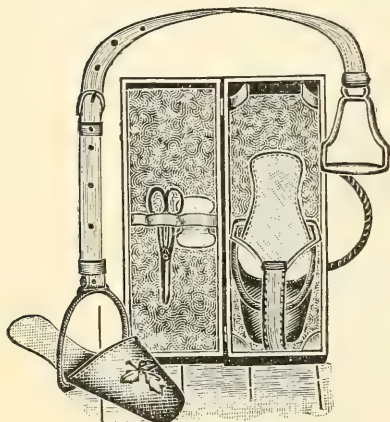


Fig. 8505 Truax, Greene & Co's Extra Wide Obstetrical Bags, with bottles for fluids, 15 to 17 inch, empty. Each, \$4.25 to \$4.75. See page 1532.



DR. KLINE'S OBSTETRICAL SLIPPER.

Simplicity is its own Recommendation.



For prices see page 1534.

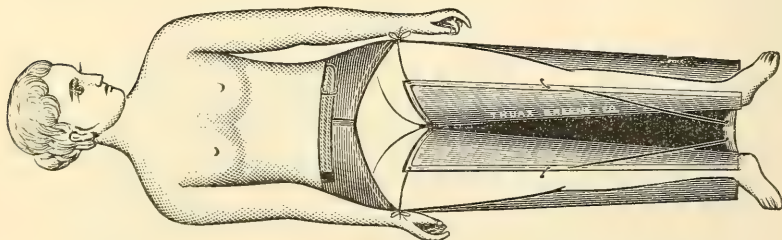
patient in any posture. They are made in two sizes, of which midwives usually prefer the larger. One pair will last a lifetime, and as their utility is apparent, no argument is necessary.

The first engraving shows the Slipper in use, while the second engraving shows the Slippers, fine Umbilical Shears, and Silk Cord, in a handsome case, which also has spaces for Catheter, Probe, bottles of Ergot, Ether, Chloroform, etc.

WE PRESENT for the consideration of the profession, a neat, simple, perfect device, which as every experienced physician sees at a glance, does away with the hand-pulling and all crude, cumbersome makeshifts, and greatly facilitates labor by providing the means for a good "PULL," thus giving a woman measure of comfort during the most trying time of her life.

The SLIPPER was invented by an experienced physician, and is the result of his many contrivances to relieve his patients. It consists of a pair of stout slippers, connected by adjustable straps to nicked steel handles; they are easily put on and off, and are not in the way if left in the bed, and can be used by the

JACKSON'S OBSTETRICAL APRON.



Jackson's Obstetrical Apron. Price, \$4.00.

This apron is the design of Wm. Jackson, M. D., of Plymouth, Ind. It is intended to protect clothing and bedding from being soiled either in Obstetrical or Gynecological work. The patient is free to assume almost any position, and, as the apron is attached to and moves with the patient, it cannot be disarranged. They may be folded in a compact space and, if necessary, carried in an overcoat pocket.



OBSTETRICAL BAGS.

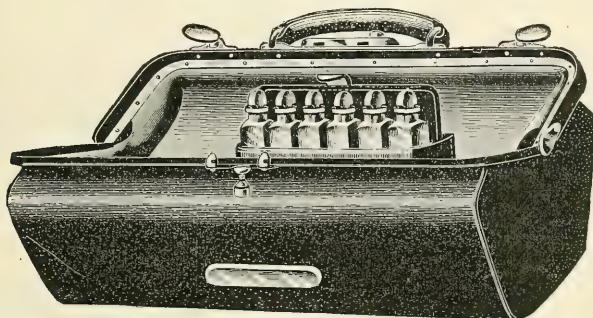


Fig. 8509. Obstetrical Bag with 6 bottles on side. For prices and sizes, see page 1532.

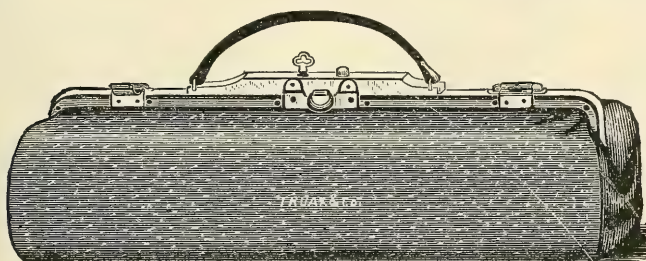


Fig. 8511. Obstetrical Bag. For prices and sizes, see page 1532.

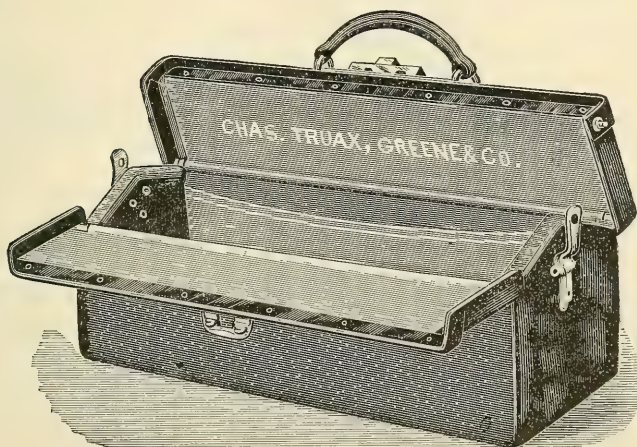


Fig. 8513. Obstetrical Bag, Cabin Pattern. See page 1532.

The construction of this bag is such that there is no change in shape or loss in capacity or size when closed as in the other styles of bags. It will open completely, giving a full view of all contents and will stay open without the covers being held. When open it occupies no more surface space than when closed. It is neat in appearance, substantially made and very durable. All things considered, it is by far the most desirable obstetrical bag yet offered. This bag is made in five sizes. For prices, see page 1532.

OBSTETRICAL INSTRUMENTS.



Fig. 8563. Leavitt's Axis Traction Forcep, \$5.50. See page 1533.

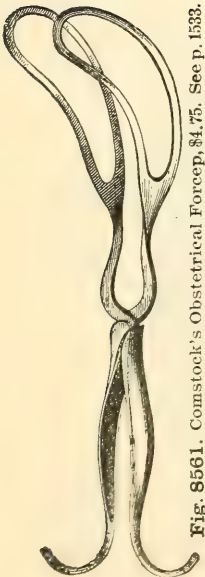


Fig. 8561. Comstock's Obstetrical Forcep, \$4.75. See p. 1533.



Fig. 8551. Wallace's Obstetrical Forcep, \$5.00. See page 1534.

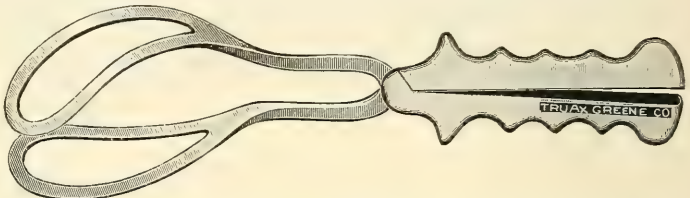


Fig. 8552. Simpson's Long Obstetrical Forcep, \$5.00; all metal handles, \$6.00. See page 1533.

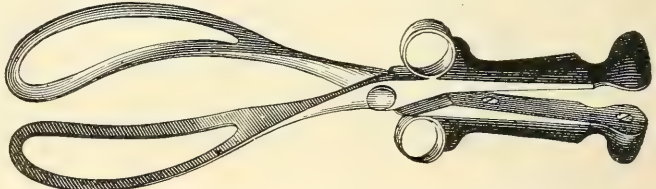


Fig. 8554. Roller's Obstetrical Forcep, \$6.00. See page 1533.

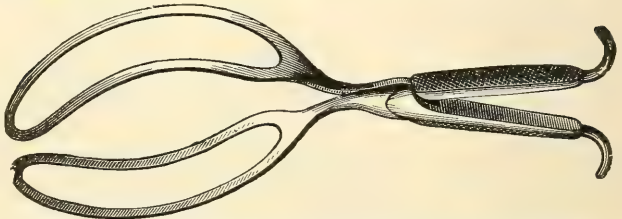


Fig. 8556. Sawyer's Short Obstetrical Forcep, \$4.00. See page 1533.

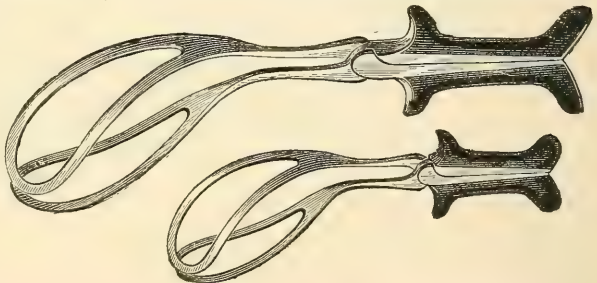


Fig. 8558. Jenk's Long Obstetrical Forcep, \$6.25. See page 1533.

Fig. 8559. Jenk's Short Obstetrical Forcep, \$4.50. See page 1533.

OBSTETRICAL INSTRUMENTS.

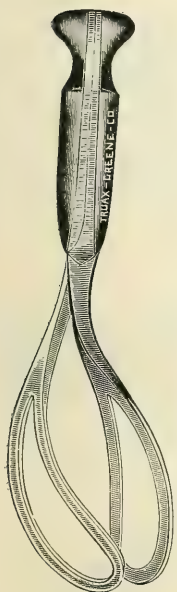


Fig. 8562. Thomas' Obstetrical Forcep, \$5.00. See page 1534.

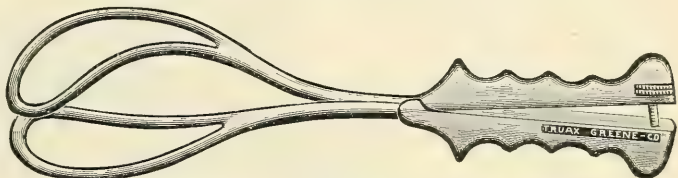


Fig. 8570. Elliott's Obstetrical Forceps, \$4.50; metal handle, \$5.00. See page 1533.

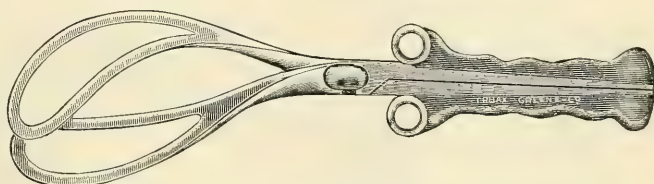


Fig. 8572. Bedford's Obstetrical Forceps, \$6.00. See page 1533.

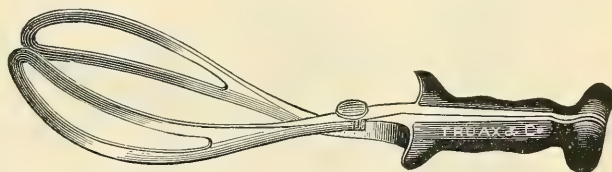


Fig. 8574. DeLaskie Miller's Obstetrical Forceps, \$5.00. See page 1533.

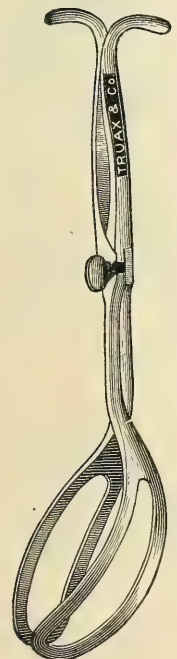


Fig. 8580. Hodges' Obstetrical Forceps, \$3.50. See page 1533.

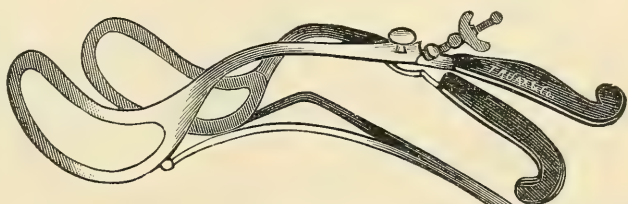


Fig. 8576. Tarnier's Obstetrical Forceps, \$20.00. See page 1534.

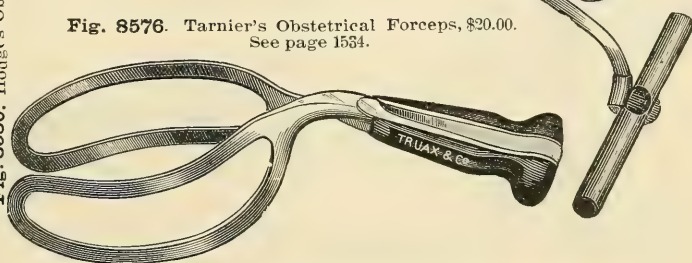


Fig. 8578. Stone's Obstetrical Forceps, \$4.50. See page 1533.

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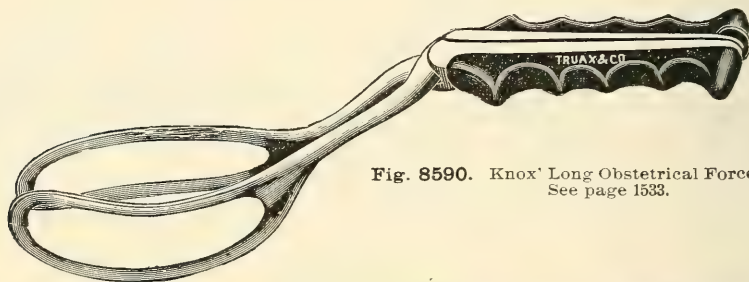


Fig. 8590. Knox' Long Obstetrical Forcep, \$5.00.
See page 1533.



Fig. 8603. Knox' Short Obstetrical Forcep, \$4.50.
See page 1533.

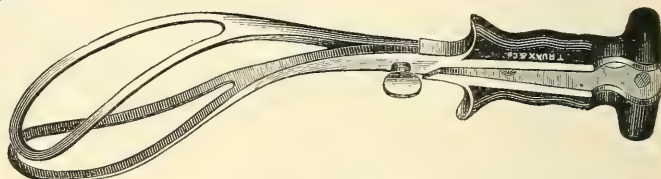


Fig. 8591. Clark's Obstetrical Forcep, \$5.00. See page 1533

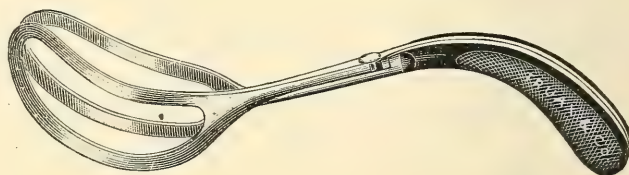


Fig. 8593. Hale's Long Obstetrical Forcep, \$6.50. See page 1533.



Fig. 8601. Sroog's Obstetrical Forcep, \$4.50.
See page 1533.

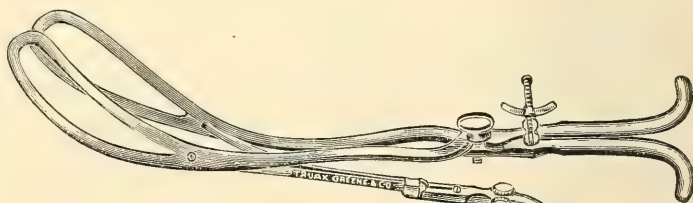


Fig. 8598. Improved Tarnier's Obstetrical Forceps,
\$22.50. See page 1534.

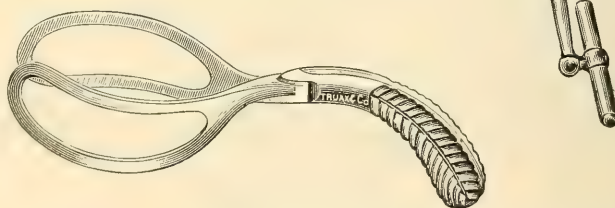


Fig. 8597. Hale's Short Obstetrical Forcep, \$5.00. See page 1533,
(New pattern.)

OBSTETRICAL INSTRUMENTS.

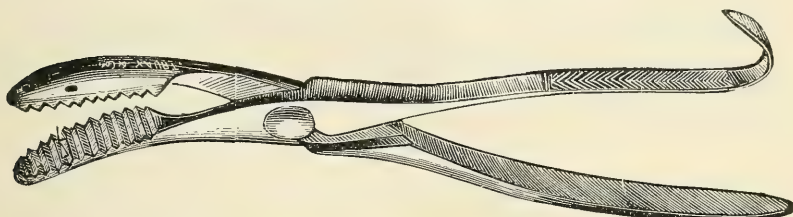


Fig. 8617. Thomas' Craniotomy Forcep, \$3.75. See page 1533.

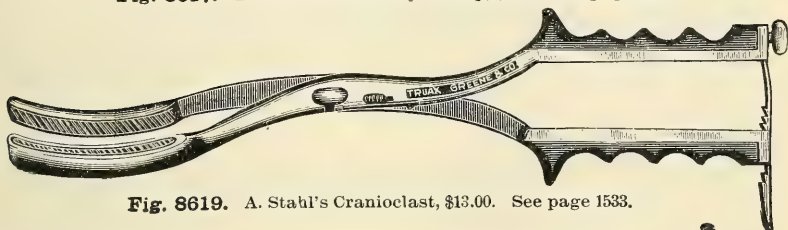


Fig. 8619. A. Stahl's Cranioclast, \$13.00. See page 1533.

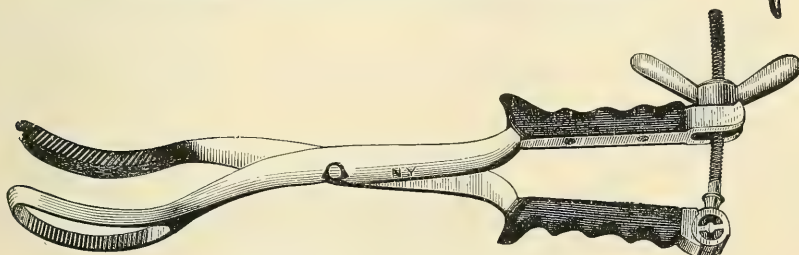


Fig. 8620. Braun's Cranioclast, \$11.25.

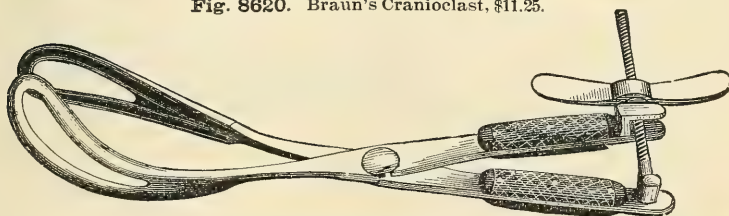


Fig. 8622. Lusk's Cephalotrite, \$13.50. See page 1532.

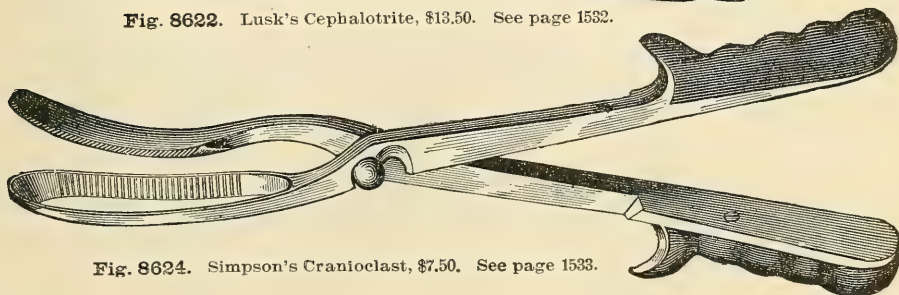


Fig. 8624. Simpson's Cranioclast, \$7.50. See page 1533.

OBSTETRICAL INSTRUMENTS.

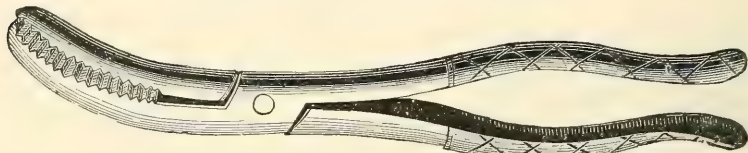


Fig. 8633. Meigs' Craniotomy Forcep, \$2.25. See page 1533.

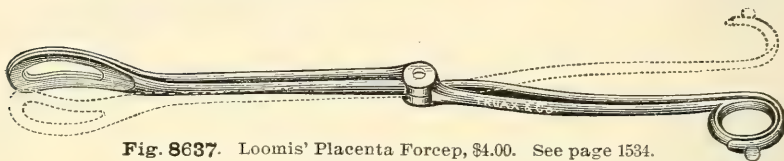


Fig. 8637. Loomis' Placenta Forcep, \$4.00. See page 1534.

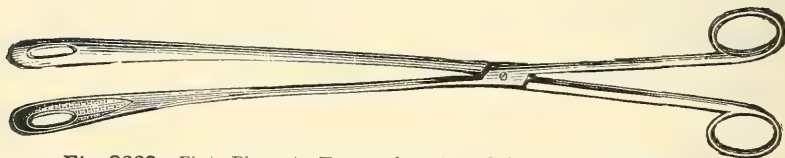


Fig. 8639. Plain Placenta Forcep, fenestrated, \$1.85. See page 1534.



Fig. 8640. Embryotomy Forceps, \$3.00. See page 1533.



Fig. 8647. Clark's Placenta Forcep, \$2.00. See page 1534.



Fig. 8643. Chamberlain's Placenta Forcep, \$3.25. See page 1534.



Fig. 8645. Schnetter's Placenta Forcep, \$4.50. See page 1534.



OBSTETRICAL INSTRUMENTS.



Fig. 8658. Blot's Perforator, \$4.50. See page 1534.



Fig. 8660. Thomas' Craniotomy Perforator, \$5.00. See page 1534.

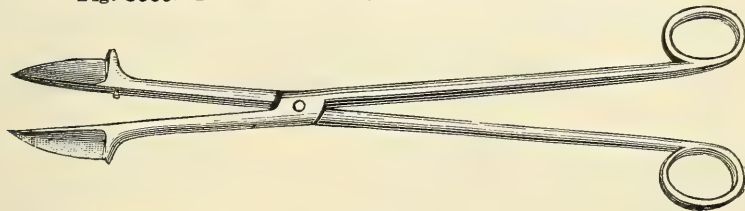


Fig. 8662. Smellie's Craniotomy Perforator, \$1.85. See page 1534.

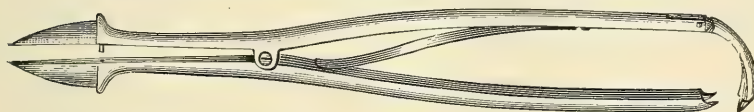


Fig. 8664. Naegeli's Craniotomy Perforator, \$3.00. See page 1534.

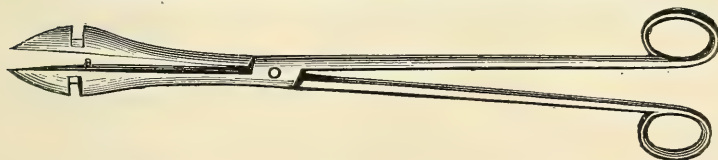


Fig. 8666. Simpson's Craniotomy Perforator, \$2.25. See page 1534.



Fig. 8668. Holmes' Craniotomy Perforator, \$3.75. See page 1534.



Fig. 8670. Braun's Craniotomy Trephine, \$8.00. See page 1534.

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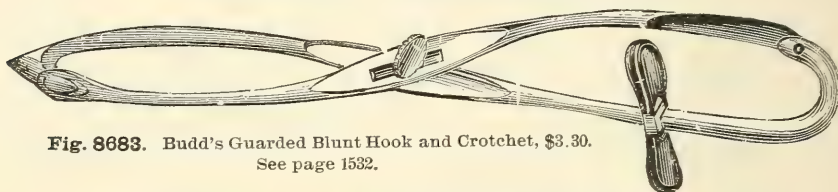


Fig. 8683. Budd's Guarded Blunt Hook and Crotchet, \$3.30. See page 1532.

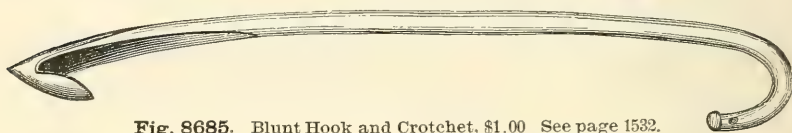


Fig. 8685. Blunt Hook and Crotchet, \$1.00. See page 1532.

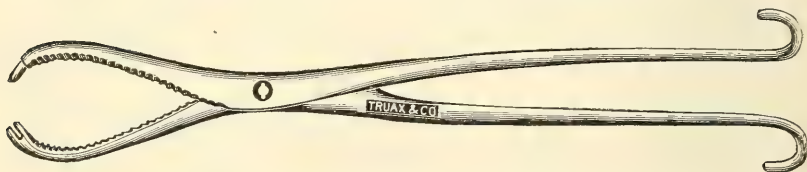


Fig. 8687. C. E. Ruth's Placenta Forceps and Hooks, Aseptible, large, \$3.00.



Fig. 8689. C. E. Ruth's Placenta Forceps and Hooks, Aseptible, small, \$2.50.



Fig. 8691. Leavitt's Placenta Hook, \$1.00. See page 1534.



Fig. 8693. Plain Blunt Hook, \$1.50. See page 1532.

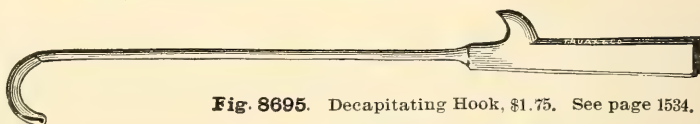


Fig. 8695. Decapitating Hook, \$1.75. See page 1534.

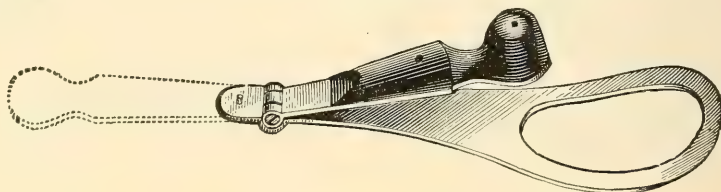


Fig. 8697. Folding Vectus, \$2.65. See page 1534.



Fig. 8681. Munde's Curette, \$1.50.

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OBSTETRICAL INSTRUMENTS.



Fig. 8707. Windrow's Half Curve Obstetric Catheter, 75c. See page 1532.



Fig. 8708. Windrow's Full Curve Obstetric Catheter, \$1.00. See page 1532.

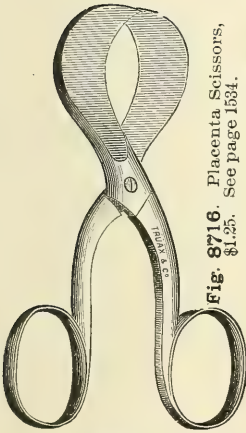


Fig. 8716. Placenta Scissors, \$1.25. See page 1534.

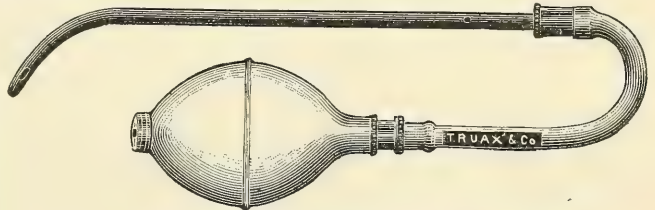


Fig. 8709. Braun's Balloon Catheter, \$1.50. See page 1532.

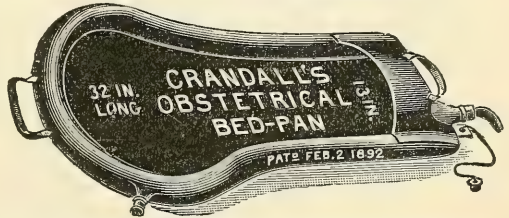


Fig. 8710. Crandall's Bed Pan. For full description, see page 741.

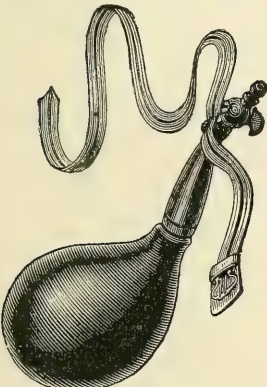


Fig. 8711. Braun's Colpeurynter, Complete, \$1.00. See page 1533.



Fig. 8720. Modified Galbaite Knife, \$3.00.

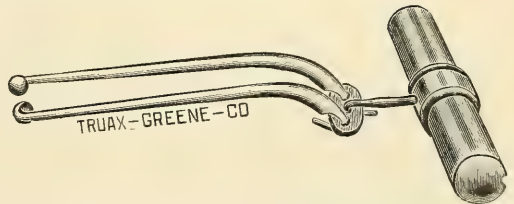


Fig. 8712. Reynolds' Axis Traction Rods, Aseptible, \$4.00. See p. 1534.



Fig. 8718. Obstetrical Sleeves, soft, pure rubber. See page 765.



Fig. 8715. Plain Vectus, \$1.75. See page 1543.



RECTAL INSTRUMENTS.

ANUS, Artificial, silver, according to size.....	\$5 00 to 10 00
APPLICATORS, Kelsey's	50
BAG, Peterson's.....	1 10
BISTOURIES, see page 1056.	
BISTOURY CACHE, Bodenheimer's, for fistula, Fig. 8813.....	5 25
BLUNT HOOK, Edwards', plain, Fig. 8903.....	1 00
Edwards' double barbed, Fig. 8901.....	1 25
Pratt's, Fig. 8890.....	75
Rorick's, Fig. 8894.....	75
BOUGIES, Web, conical, Nos. 1 to 12, Fig. 8866.....	90
Web, cylindrical, Nos. 1 to 12, Fig. 8868.....	75
" Olive tip, Fig. 8864.....	1 00
Exploring, Bodenheimer's, set of 10.....	7 50
Hard rubber, nested, six in nest.....	3 00
Pile, Bolton's, Fig. 8919.....	90
" Reed's, Fig. 8917.....	1 00
" Trousseau's, Fig. 8915.....	1 50
Plain, Fig. 8916.....	90
Soft Rubber, Wale's, Nos. 1, 2 and 3, Fig. 8869.....	each 1 00
" " " " 4, 5 and 6.....	each 1 25
" " " " 7, 8 and 9.....	each 1 50
" " " " 10, 11 and 12.....	each 1 75
BRUSHES, Glass, for making caustic applications, page 1283.....	20
CAUTERY IRONS, see page 1060.	
CANULA, Gooche's, plated.....	1 00
Silver, soft, for cocaine, Fig. 8879.....	75
CATHETER, Olive point, English.....	1 25
CLAMPS, Allingham's.....	9 00
Ashton's, Fig. 8796.....	2 25
Andrews', Fig. 8832.....	3 50
Benham's, Fig. 8830.....	9 00
Danforth's, Fig. 8831.....	3 50
Eldridge's, Fig. 8814.....	5 50
Linn's, Fig. 8815.....	6 00
Kelsey's, pile.....	4 00



RECTAL INSTRUMENTS.

CLAMPS, Pratt's, large, aseptic, Fig. 8818.....	\$ 8 00
Pratt's, small, internal, Fig. 8812.....	2 75
Smith's, faced, Fig. 8713.....	4 50
CUP, Lente's, platina, Fig. 7262.....	2 25
CURETTE, Plain, Fig. 8882.....	1 00
DILATORS, Chaney's, 4 sizes, aluminum, Fig. 8952.....	set 6 50
Pratt's, improved, set of four, Fig. 8945.....	set 5 00
“ original, set of five, Fig. 8788.....	set 5 00
Sims', Fig. 8816.....	3 40
Thebaud's, Fig. 8920.....	7 50
Wale's, soft rubber.....	\$1 15 to 2 65
Whitehead's.....	2 25
Young's, four sizes, hard rubber, Fig. 8950.....	4 00
“ “ aluminum.....	5 00
DIRECTOR, flexible, silver, probe pointed.....	1 10
Pratt's, grooved, steel, Fig. 8907.....	1 00
DOUCHE, Jennison's, Fig. 8930.....	1 75
Martin's, Fig. 8929.....	1 25
ENTEROTOME, Depuytren's.....	3 75
FISTULATOME, Rorick's, Fig. 8902.....	1 50
FORCEPS, Ashton's, pile, Fig. 8796.....	2 25
Artery, Pratt's, short, Fig. 8798.....	1 50
“ “ long, Fig. 8800.....	1 75
“ “ V shape, Fig. 8799.....	2 25
“ “ T shape, Fig. 8804.....	doz. \$21.00, 2 00
“ “ Mod. by Smith, Fig. 8803.....	2 25
Curvilinear, Bodenheimer's, Fig. 8824.....	3 40
Dressing, Hall's, Fig. 8801.....	2 50
Tenaculum, Byrne's, Fig. 8802.....	4 50
IRONS, Cautery, see page 1060.	
IRRIGATOR, Bodenheimer's, Fig. 8927.....	2 25
Jennison's, Fig. 8930.....	1 75
Martin's, Fig. 8929.....	1 25
Munde's, Fig. 8925.....	1 15
KNIFE, Kelsey's Fistula.....	1 85
Rorick's concave edge, Fig. 8896.....	1 10
KNOT TIER, Carroll's.....	1 50
LIGATURE CARRIER, Allingham's, Fig. 8842.....	2 60
Hall's, Fig. 8844.....	3 00
Ostrum's, Fig. 8840.....	1 50
Plain, Fig. 8884.....	90
LIGATURE RUBBER.....	yard 25
NEEDLES, Bush's.....	75
Bush's.....	per set 1 75
Edward's angular, Fig. 8909.....	1 00
“ “ Retrojecting, Fig. 8910.....	1 25
Truax, Greene & Co's, injecting, Fig. 8914.....	1 00
Perineum. See page 1443.	



RECTAL INSTRUMENTS.

OBTURATOR, Prince's, Fig. 8918 (see also page 999.)	\$ 3 00
PIPES, Pile, Fig. 8924.	doz. \$6.00 60
PROBE, silver, soft and flexible, Fig. 8880.	85
Silver, fine and very delicate, Fig. 8898.	60
PUMP, see Allen pump, page 989.	
RETRACTOR, Kelsey's.	2 50
Pratt's, aseptic, Fig. 8786.	1 00
SCISSORS, angular, see page 1448.	
Allingham's.	5 25
Curved on the flat, see page 1448.	
Pratt's, Hæmorrhoidal, Fig. 8817.	1 50
Pratt's, improved, Fig. 8836.	2 00
Pratt's, original, Fig. 8838.	2 00
SCOOP, Plain, Fig. 8882.	1 00
Kelsey's.	1 90
SEARCHER, Hall's, Fig. 8911.	1 00
SOUND, exploring, Bodenheimer's, set of 10.	7 50
SPECULUM, Allingham's, Fig. 8770.	2 25
Andrews'.	2 00
Ashton's, Bivalve.	3 75
" glass, Fig. 8784.	70
Bodenheimer's, Fig. 8755.	1 50
Dailey's.	2 75
Fenestrated, H. R., set of 4.	2 50
Gowland's, Fig. 8758.	2 50
Glass, plain.	40
" Ashton's, Fig. 8784.	70
Greene's, hard rubber, Fig. 8790.	1 50
Haslam's Fig. 8768.	2 00
Hoadley's, Fig. 8785.	2 60
Ives', patent, 3 sizes, Fig. 8775.	3 50
Keen's.	3 50
Kelsey's, Fig. 8791.	2 50
Leonard's, plain.	2 00
Leonard's, Aluminum.	2 75
Matthews', Fig. 8789.	3 50
Mathieus', trivalve, Fig. 8773.	6 50
Niles', patent.	5 00
O'Reiley's, Fig. 8769.	2 00
O'Neal's, Fig. 8756.	3 50
Pratt's, bivalve, same as Fig. 8750.	2 00
" aseptic, Fig. 8750.	3 50
" insulated, Fig. 8793.	4 00
" mod. by Van Lenop.	3 00
" trivalve, Fig. 8754.	2 50
" small, for children, Fig. 8752.	3 00
Record's, Fig. 8771.	2 50
Reed's, with glass slide.	3 50



RECTAL INSTRUMENTS.

SPECULUM, Rorick's, Fig. 8776.....	\$ 2 75
Sass'.....	1 50
Sims' fenestrated.....	1 50
" wire, steel.....	3 50
Williams'.....	3 00
SUPPORTERS, pile, Huxley's.....	3 40
Prolapsus ani. Fig. 8912.....	4 00
Trousseau's, pile, Fig. 8915.....	1 50
SUPPOSITORS, see page 721.	
SYRINGES, Enema, see page 723.	
Oiling, Fig. 8860.....	35
Ointment, Hutchinson's, Fig. 8846.....	2 50
Rubber, see page 722.	
Hæmorrhoidal, Adams'.....	3 40
" Kelsey's.....	3 75
" O'Neal's.....	3 75
TENACULUM, Edwards', Fig. 8899.....	1 00
Byrne's, double, Fig. 8802.....	4 50
Pratt's, Fig. 8886.....	75
Rorick's, plain, Fig. 8888.....	75
" double barbed, Fig. 8892.....	1 00
TROCARS, curved, Fig. 8922.....	1 50
TUBE, colon, soft rubber.....	1 00
English.....	1 25
Double channel... ..	1 75

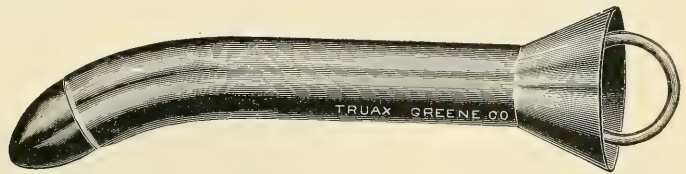


Fig. 8732. E. Andrews' Long Curved Rectal Speculum, \$3.50.

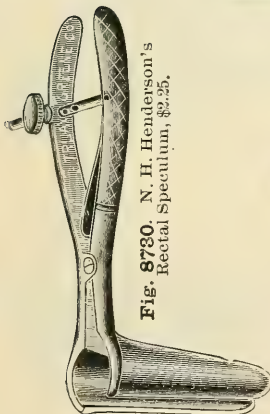


Fig. 8730. N. H. Henderson's Rectal Speculum, \$2.25.

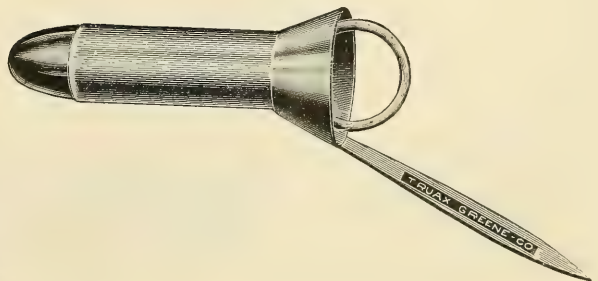


Fig. 8731. E. Andrews' Short Rectal Speculum, \$2.50.

RECTAL INSTRUMENTS.

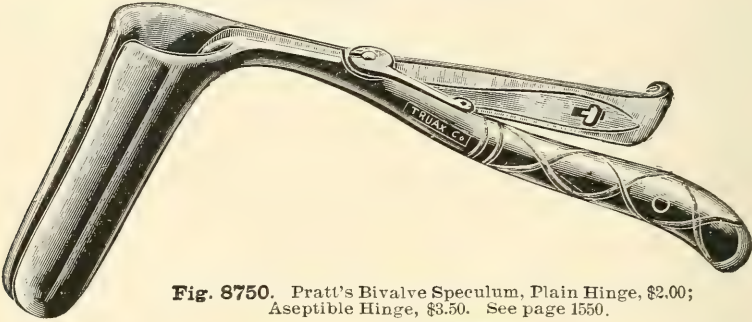


Fig. 8750. Pratt's Bivalve Speculum, Plain Hinge, \$2.00; Aseptic Hinge, \$3.50. See page 1550.

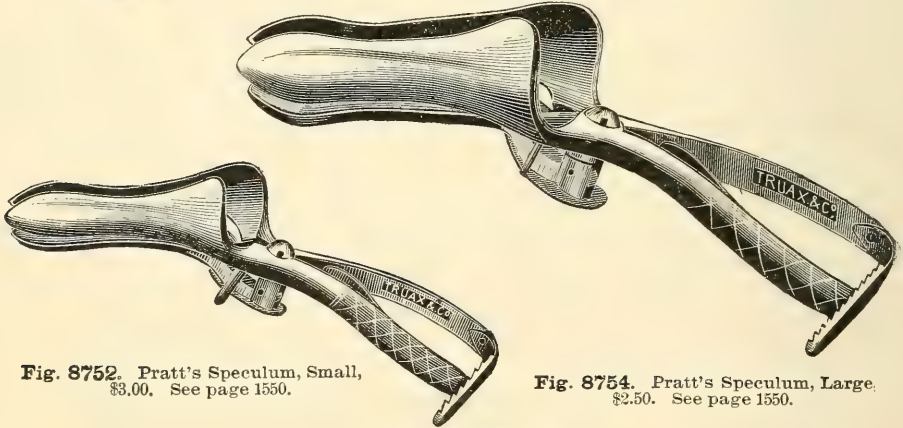


Fig. 8752. Pratt's Speculum, Small, \$3.00. See page 1550.

Fig. 8754. Pratt's Speculum, Large, \$2.50. See page 1550.

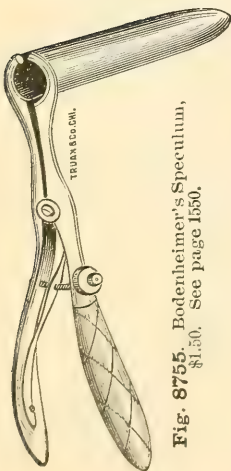


Fig. 8755. Bodenheimer's Speculum, \$1.50. See page 1550.

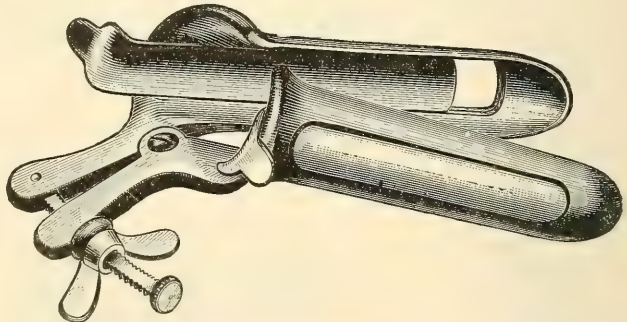


Fig. 8756. O'Neal's Speculum, \$3.50. See page 1550.

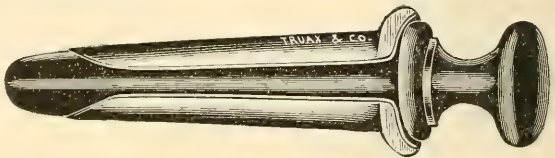


Fig. 8758. Gowland's Speculum, \$2.50. See page 1550.

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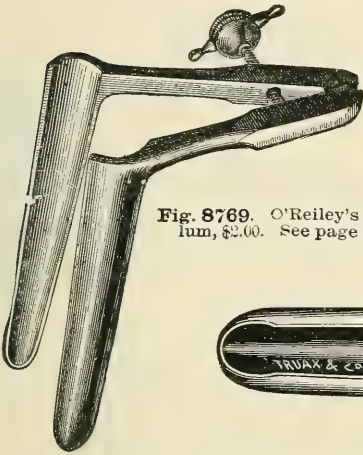


Fig. 8769. O'Reiley's Speculum, \$2.00. See page 1550.

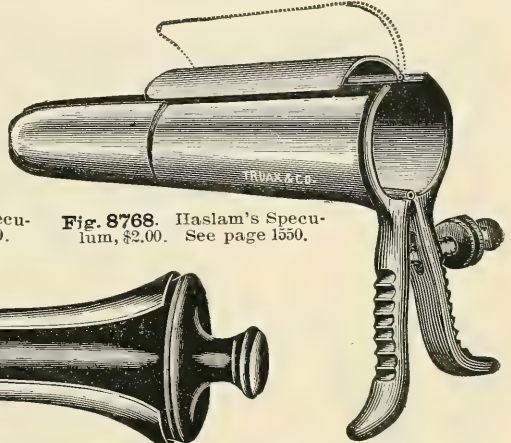


Fig. 8768. Haslam's Speculum, \$2.00. See page 1550.

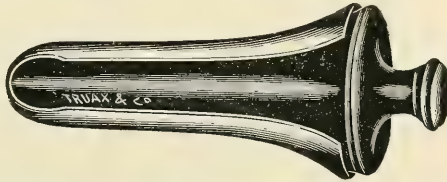


Fig. 8770. Allingham's Speculum, \$2.25. See page 1550.

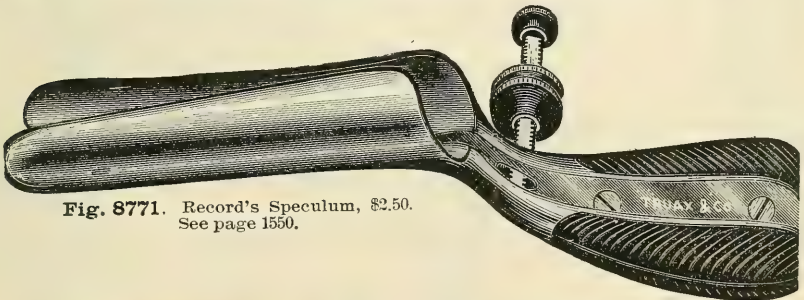


Fig. 8771. Record's Speculum, \$2.50. See page 1550.

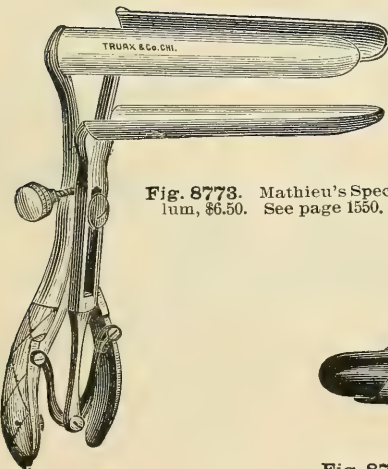


Fig. 8773. Mathieu's Speculum, \$6.50. See page 1550.

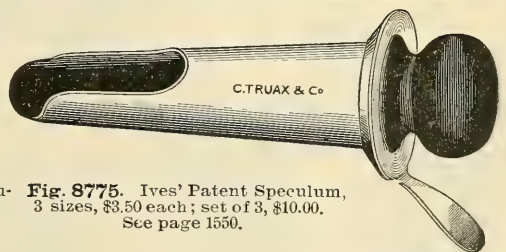


Fig. 8775. Ives' Patent Speculum, 3 sizes, \$3.50 each; set of 3, \$10.00. See page 1550.

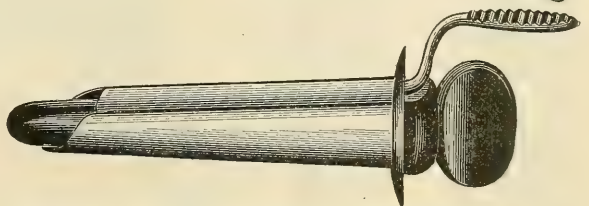


Fig. 8776. Rorick's Speculum, \$2.75. See page 1551.

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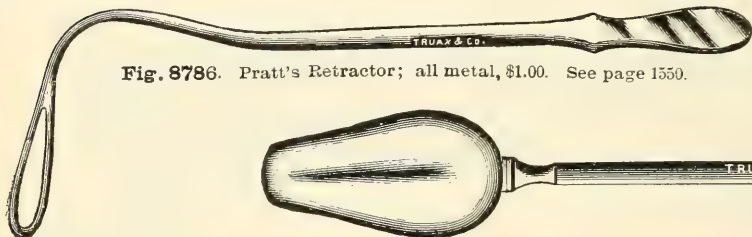


Fig. 8786. Pratt's Retractor; all metal, \$1.00. See page 1550.

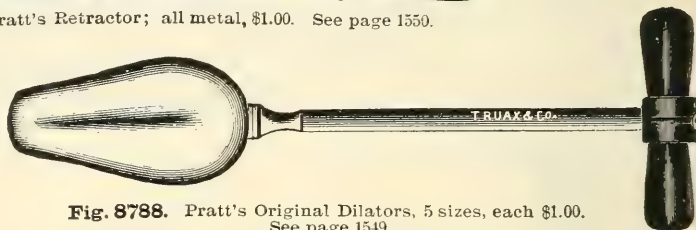


Fig. 8788. Pratt's Original Dilators, 5 sizes, each \$1.00. See page 1549.

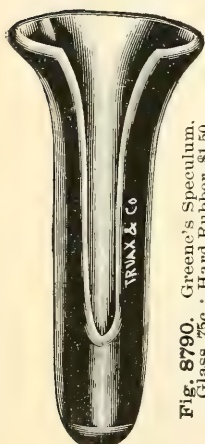


Fig. 8790. Greene's Speculum, Glass, 75c.; Hard Rubber, \$1.50.

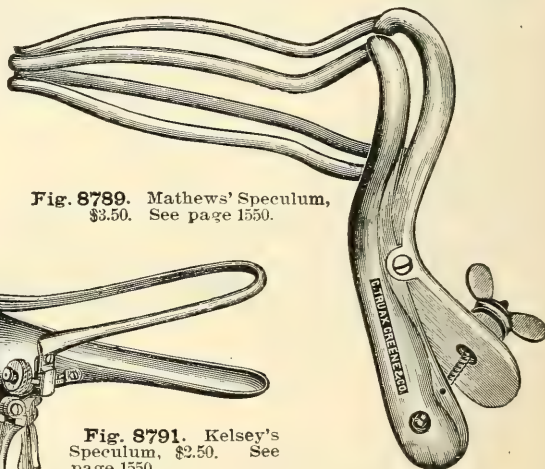


Fig. 8789. Mathews' Speculum, \$3.50. See page 1550.

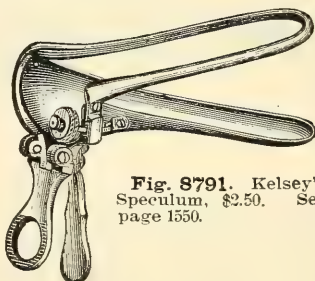


Fig. 8791. Kelsey's Speculum, \$2.50. See page 1550.

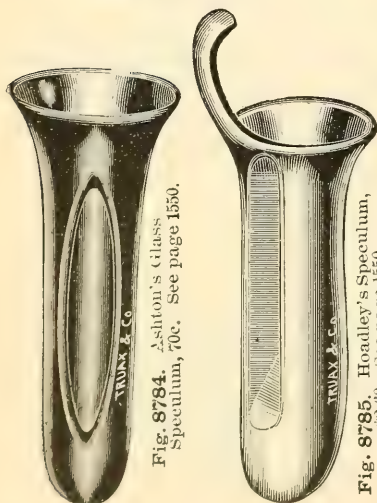


Fig. 8784. Ashton's Glass Speculum, 70c. See page 1550.

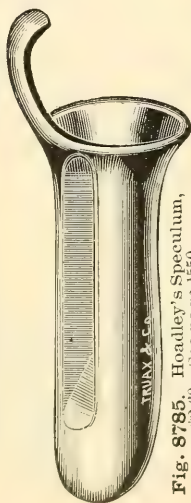


Fig. 8785. Hoadley's Speculum, \$2.00. See page 1550.

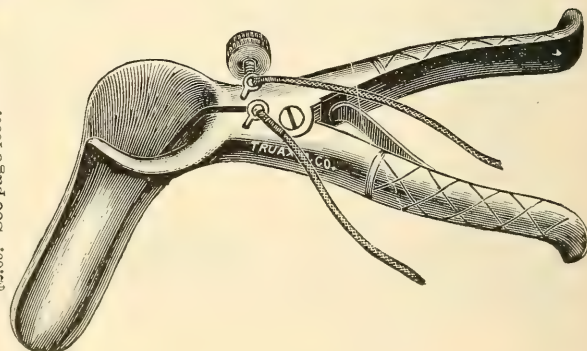


Fig. 8793. Pratt's Insulated Rectal Speculum, \$4.00. See p. 1550.

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Fig. 8796. Ashton's Pile Clamp Forcep, \$2.25. See page 1549.

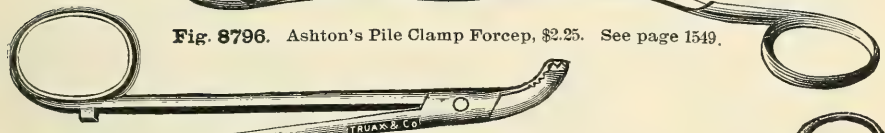


Fig. 8798. Pratt's Short Artery Forcep, \$1.50. See page 1549.

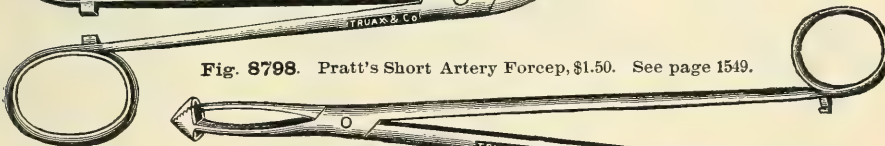


Fig. 8799. Pratt's "V" Artery Forcep, \$2.25. See page 1549.

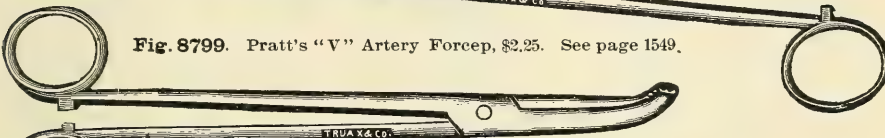


Fig. 8800. Pratt's Long Artery Forcep, \$1.75. See page 1549.

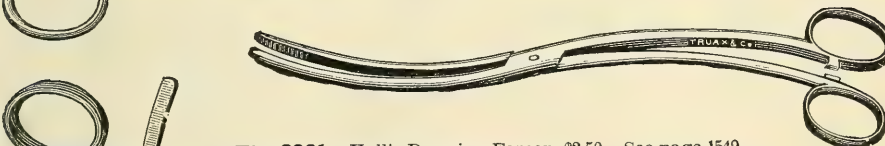


Fig. 8801. Hall's Dressing Forcep, \$2.50. See page 1549.

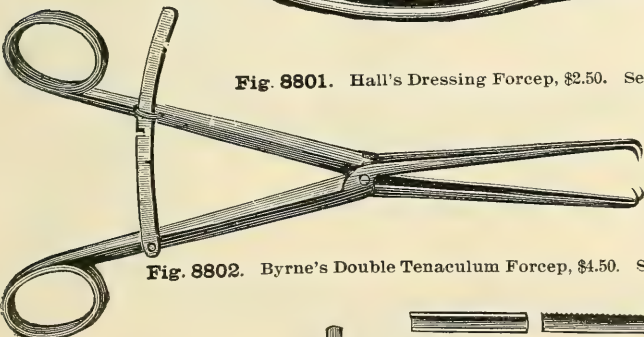


Fig. 8802. Byrne's Double Tenaculum Forcep, \$4.50. See page 1549.

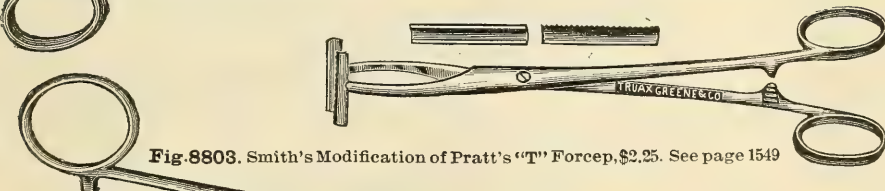


Fig. 8803. Smith's Modification of Pratt's "T" Forcep, \$2.25. See page 1549.

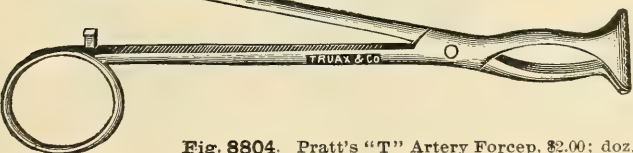


Fig. 8804. Pratt's "T" Artery Forcep, \$2.00; doz., \$21.00. See page 1549.

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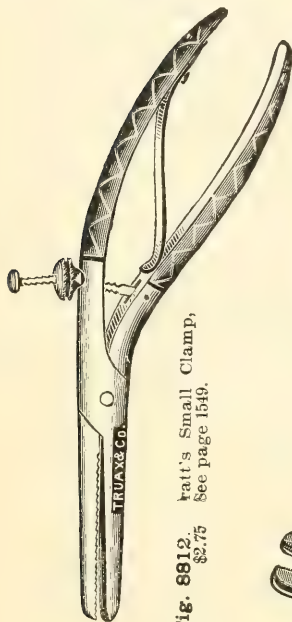


Fig. 8812. Pratt's Small Clamp,
\$2.75
See page 1549.

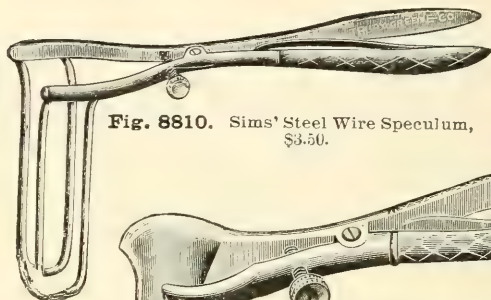


Fig. 8810. Sims' Steel Wire Speculum,
\$3.50.

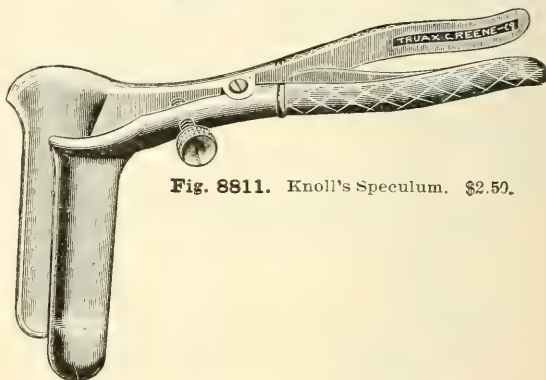


Fig. 8811. Knoll's Speculum. \$2.50.

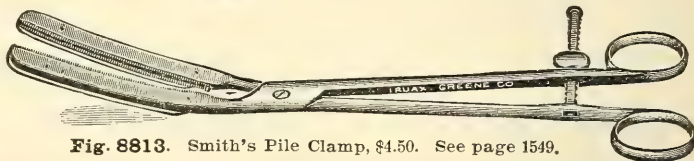


Fig. 8813. Smith's Pile Clamp, \$4.50. See page 1549.



Fig. 8814. Eldridge's Pile Clamp, \$5.50. See p. 1548.



Fig. 8815. Linn's Pile Clamp, \$6.00.

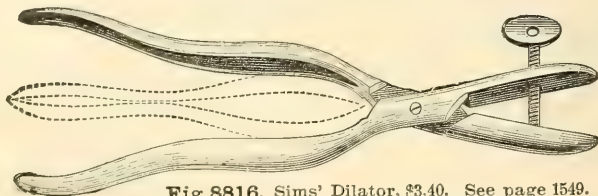


Fig. 8816. Sims' Dilator, \$3.40. See page 1549.

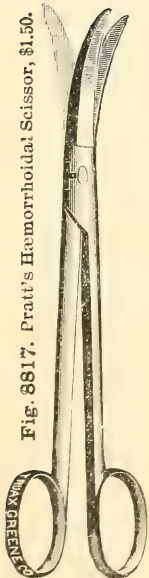


Fig. 8817. Pratt's Hemorrhoidal Scissor, \$1.50.

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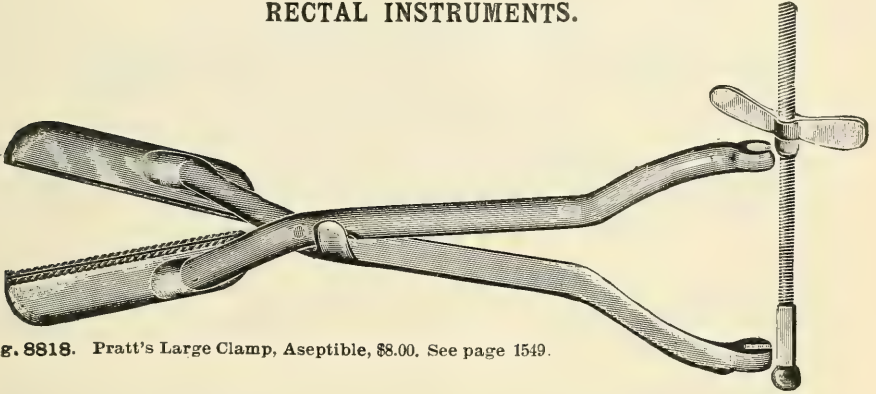


Fig. 8818. Pratt's Large Clamp, Aseptic, \$8.00. See page 1549.

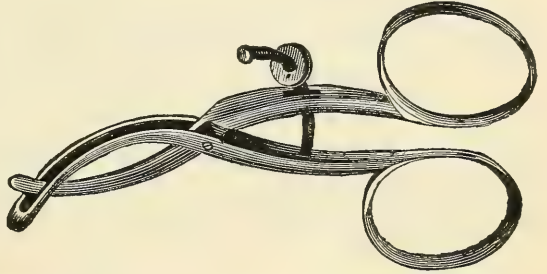


Fig. 8824. Bodenheimer's Curvilinear Forcep, \$3.40. See page 1549.

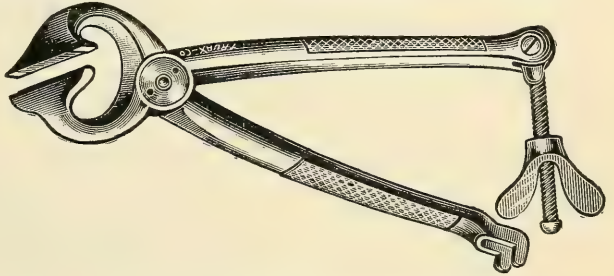


Fig. 8830. Benham's Pile Clamp, \$9.00. See page 1548.

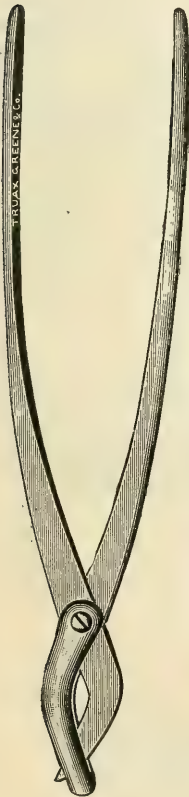


Fig. 8832. Andrews' Pile Clamp, \$3.50. See page 1548.

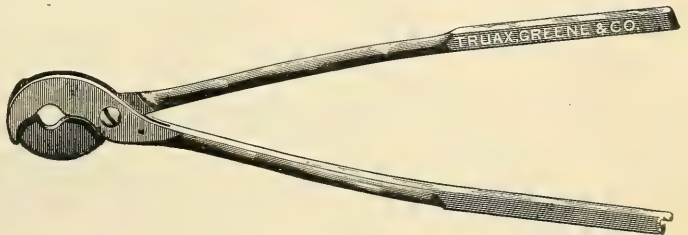


Fig. 8831. Danforth's Pile Clamp, \$3.50. See page 1548.



RECTAL INSTRUMENTS.

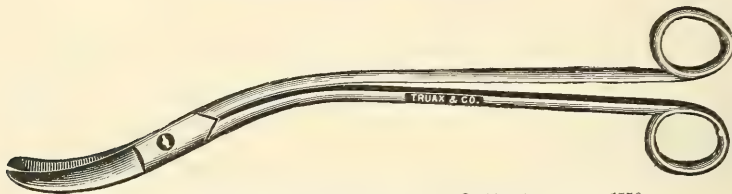


Fig. 8836. Pratt's Improved Scissors, \$2.00. See page 1550.



Fig. 8838. Pratt's Original Scissors, \$2.00. See page 1550.

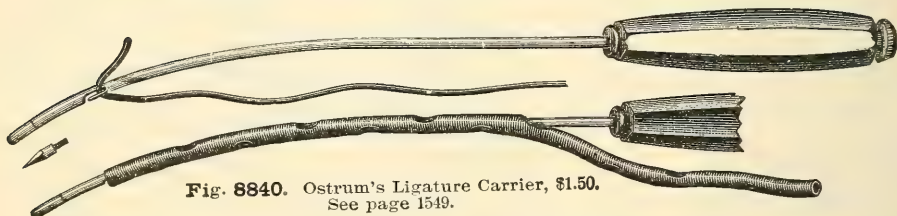


Fig. 8840. Ostrum's Ligature Carrier, \$1.50.
See page 1549.

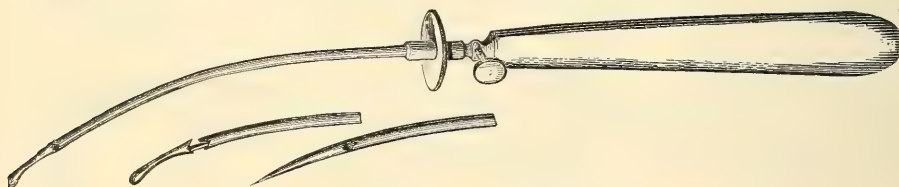


Fig. 8842. Allingham's Ligature Carrier, \$2.60. See page 1549.



Fig. 8844. Hall's Ligature Carrier, \$3.00.
See page 1549.

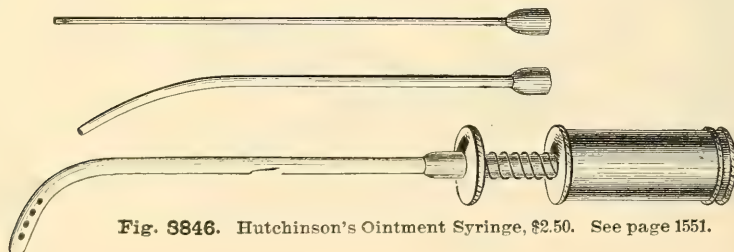


Fig. 3846. Hutchinson's Ointment Syringe, \$2.50. See page 1551.



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Fig. 8860. Rectal Oiling Syringe, 35c. See page 1557.



Fig. 8862. Soft Rubber Flexible Bougie, \$1.00 to \$2.00.



Fig. 8864. Olive Tip Bougie, \$1.00. See page 1548.



Fig. 8866. Conical Bougie, 90c. See page 1548.

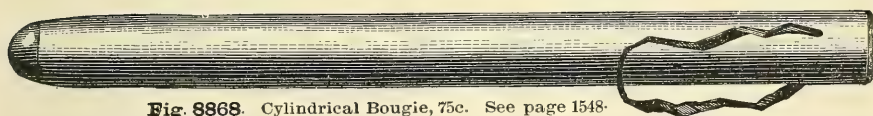


Fig. 8868. Cylindrical Bougie, 75c. See page 1548.



Fig. 8869. Davidson Rubber Co's Soft Rubber Bougie. Prices same as for Wales Bougies. See page 1548.

DAVIDSON RUBBER CO'S BOUGIES. No. 130.

Made in 12 sizes, from 5-16 inch to 1 3-16 inch diameter, of the finest tan stock, 12 inches long, with olive points.

The finish of these goods is finer than the imported goods, and we consider them equal, if not better, than any on the market.

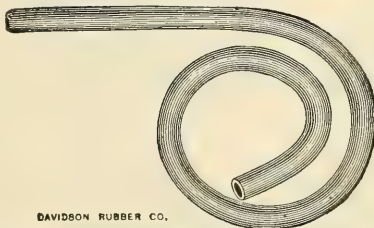


Fig. 8870. Davidson Rubber Co's Soft Rubber Colon Tubes; price, \$1.25.

DAVIDSON RUBBER CO'S COLON TUBES. No. 68.

Made of tan stock, specially fine smooth finish, 24 in. long and from 20 to 31, French, in size.

The small size, No. 20, are also used for nasal feeding tubes.



RECTAL INSTRUMENTS.

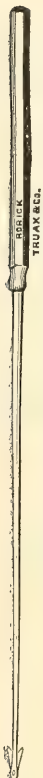


Fig. 8902. Rorick's Fistulotome, \$1.50.



Fig. 8879. Cocaine Canula, soft silver, 75c. See page 1548.



Fig. 8880. Rectal Probe, silver, 85c. See page 1550.



Fig. 8882. Rectal Scoop, \$1.00. See page 1550.



Fig. 8884. Plain Ligature Carrier, 90c. See page 1549.



Fig. 8886. Pratt's Tenaculum, 75c. See page 1551.

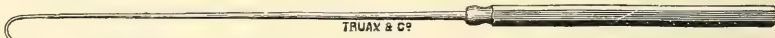


Fig. 8888. Rorick's Tenaculum, 75c. See page 1551.

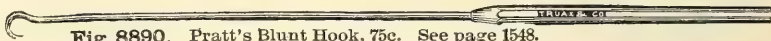


Fig. 8890. Pratt's Blunt Hook, 75c. See page 1548.

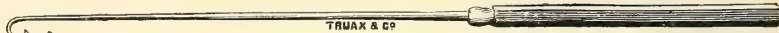


Fig. 8892. Rorick's Double Barb Tenaculum, \$1.00. See page 1551.

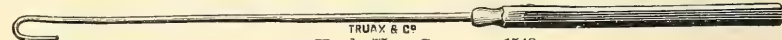


Fig. 8894. Rorick's Blunt Hook, 75c. See page 1548.

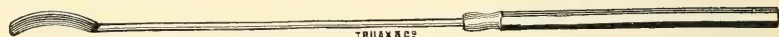


Fig. 8896. Rorick's Concave Knife, \$1.10. See page 1549.



Fig. 8898. Slender Soft Silver Probe, 60c. See page 1550.

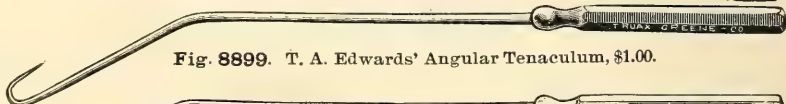


Fig. 8899. T. A. Edwards' Angular Tenaculum, \$1.00.

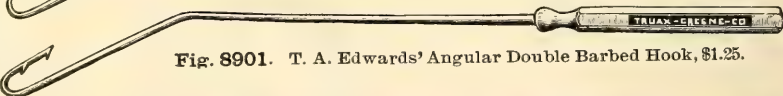


Fig. 8901. T. A. Edwards' Angular Double Barbed Hook, \$1.25.

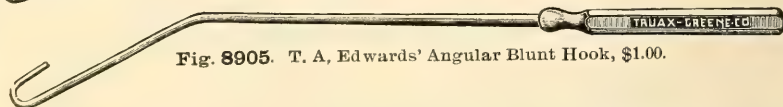


Fig. 8905. T. A. Edwards' Angular Blunt Hook, \$1.00.

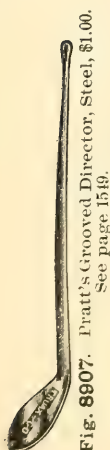


Fig. 8907. Pratt's Grooved Director, Steel, \$1.00. See page 1549.

The advantages of these angular instruments will be appreciated by operators who have used straight handled patterns. Not only can a better view be obtained of the parts, but the hands are separated to admit of greater ease in working.

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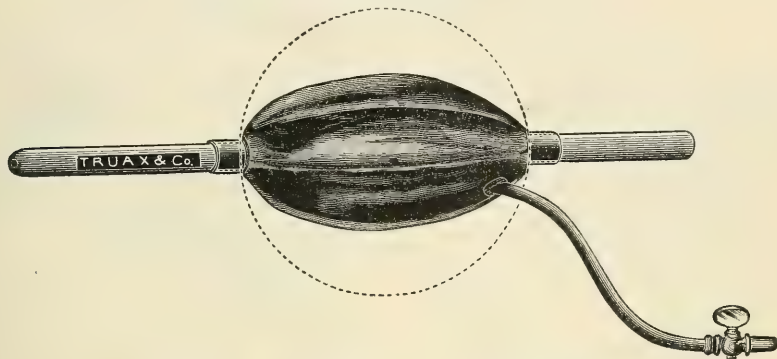


Fig. 8918. Prince's Obturator, \$3.00. See page 1550.



Fig. 8925. Munde's Irrigator, \$1.15. See page 1549.

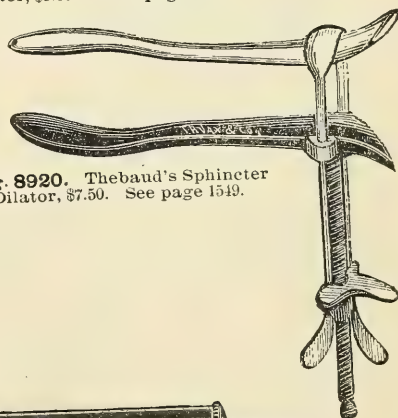


Fig. 8920. Theband's Sphincter Dilator, \$7.50. See page 1549.



Fig. 8927. Bodenheimer's Irrigator, \$2.25. See page 1549.



Fig. 8929. Martin's Irrigator, \$1.25.

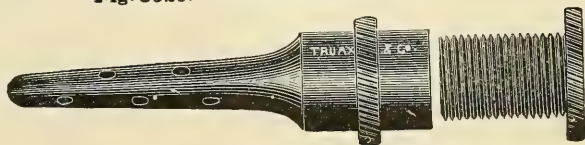


Fig. 8924. Hard Rubber Pile Pipe, 60c. Doz., \$6.00. See page 1550



Fig. 8930. Jennison's Irrigator, \$1.75.

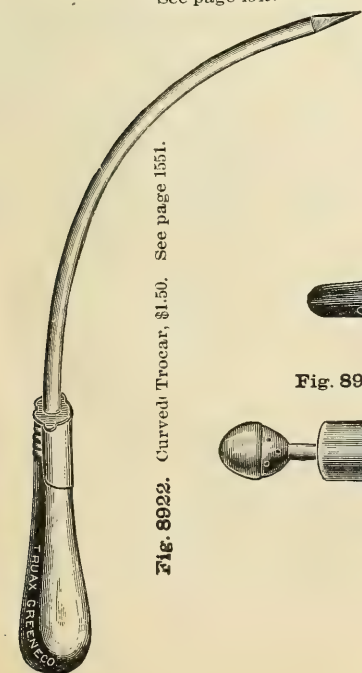


Fig. 8922. Curved Trocar, \$1.50. See page 1551.

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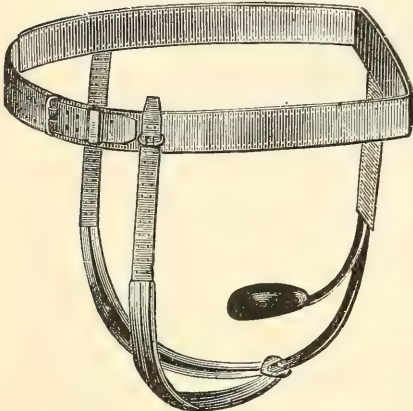


Fig. 8912. Prolapsus Ani Supporter, \$4.00.
See page 1551.

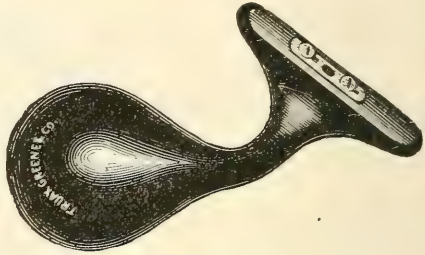


Fig. 8915. Trousseau's Pile Supporter, \$1.50. See page 1551.



Fig. 8916. Plain Pile Bougie and Prolapsus Ani Supporter, 90c.

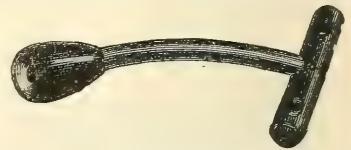


Fig. 8917. Reed's Pile Bougie, \$1.00.
See page 1548.

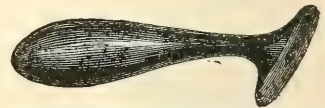


Fig. 8919. Bolton's Pile Bougie, 90c. See page 1548.

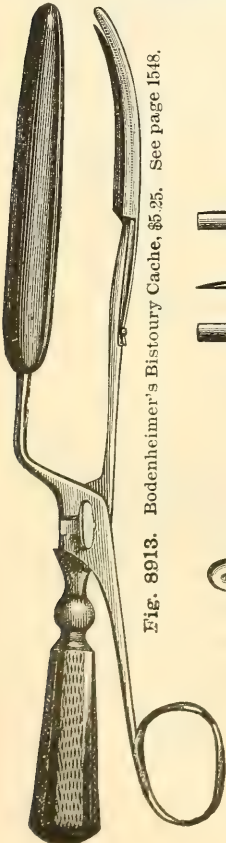


Fig. 8913. Bodenheimer's Bistoury Cache, \$5.25. See page 1548.



Fig. 8914. Truax & Co's Rectal Needle, \$1.00. See page 1549.

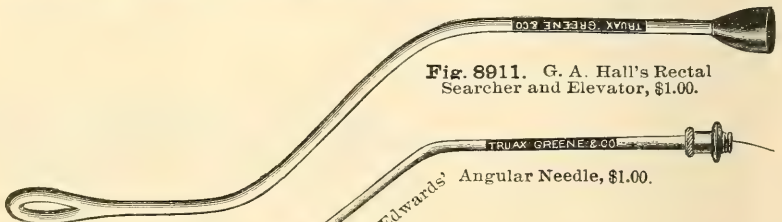


Fig. 8911. G. A. Hall's Rectal Searcher and Elevator, \$1.00.

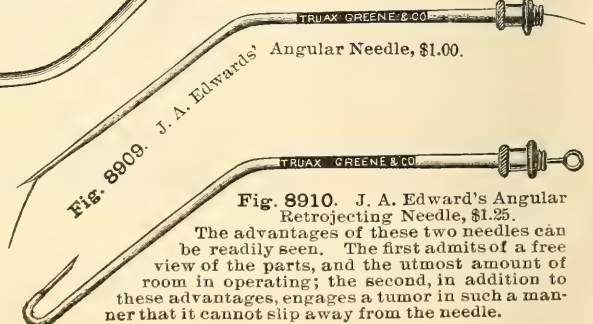


Fig. 8909. J. A. Edwards' Angular Needle, \$1.00.

Fig. 8910. J. A. Edwards' Angular Retrojecting Needle, \$1.25.
The advantages of these two needles can be readily seen. The first admits of a free view of the parts, and the utmost amount of room in operating; the second, in addition to these advantages, engages a tumor in such a manner that it cannot slip away from the needle.



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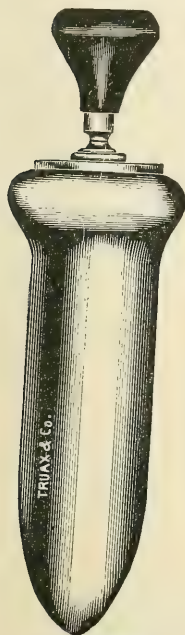


Fig. 8947. Pratt's Dilator, No. 3, \$1.25.

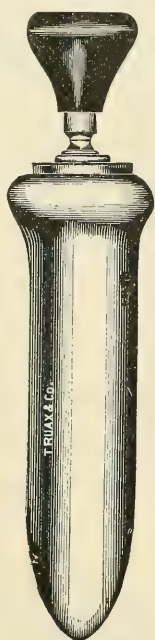


Fig. 8948. Pratt's Dilator, No. 2, \$1.25. See page 1549.

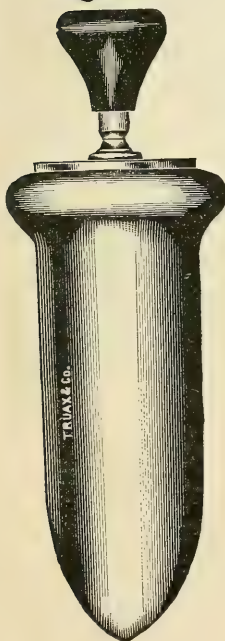


Fig. 8945. Pratt's Dilator, No. 4, \$1.25.

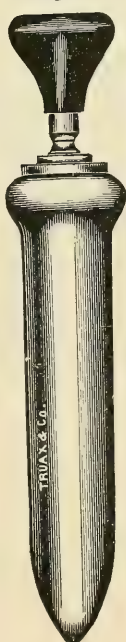


Fig. 8946. Pratt's Dilator, No. 1, \$1.25. See page 1549.

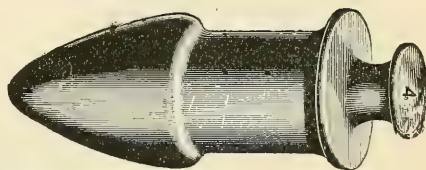
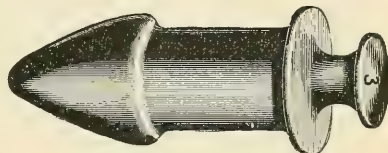
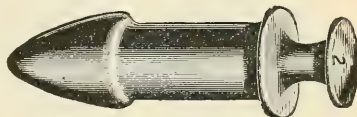


Fig. 8950. Young's Hard Rubber Dilators, \$4.00. See page 1549.

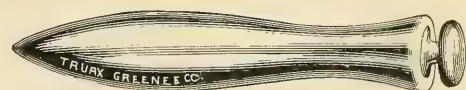
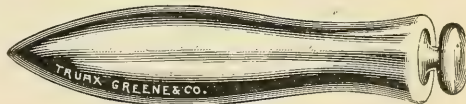
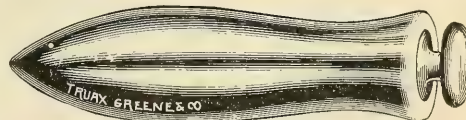
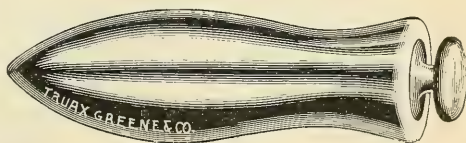
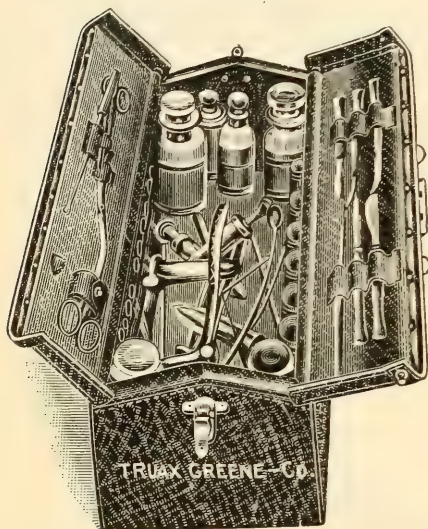


Fig. 8952. Chaney's Aluminum Dilators, each, \$1.75; set, \$6.50.

These are easily inserted and may be filled with hot or cold water and closed.

CHAS. **TRUAX** **GREENE & CO.**

RECTAL INSTRUMENTS.



**Fig. 8748. DR. G. A. HALL'S
RECTAL SET**

Contains: 5 Tait's artery forceps, 1 long straight bistoury, 2 scalpels, 1 sharp point curved bistoury, 1 probe point curved bistoury, 1 sharp point straight bistoury, 1 Pratt's long scissors, 1 Pratt's short scissors, 1 Pratt's blunt hook, 1 Ives' rectal speculum, 1 Hall's rectal searcher, 1 Hall's long rectal forcep, 1 Pratt's large bivalve speculum, 1 small bivalve speculum, 3 Pratt's rectal plugs, 1 long flexible probe, 1 bottle assorted cat gut, 1 bottle assorted silk ligatures, 1 iodoform duster, 1 Sims' sound, 1 bottle of assorted needles, 1 cabin bag, as shown in illustration. Price, complete..... \$47 50

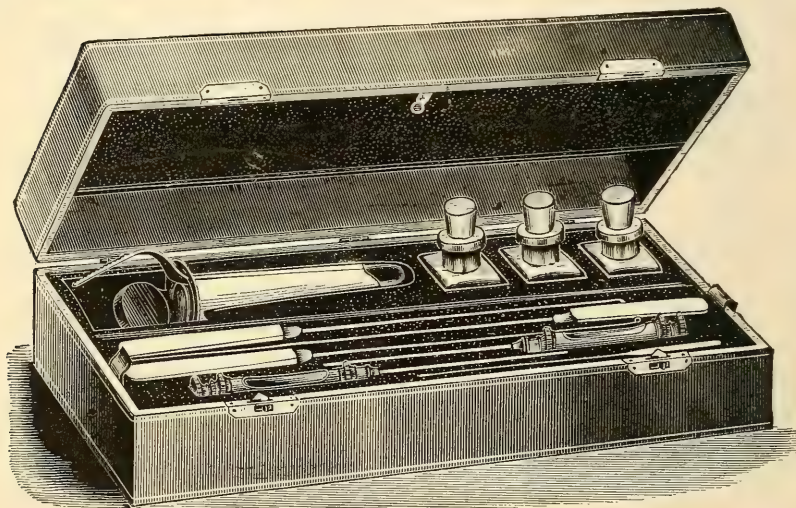
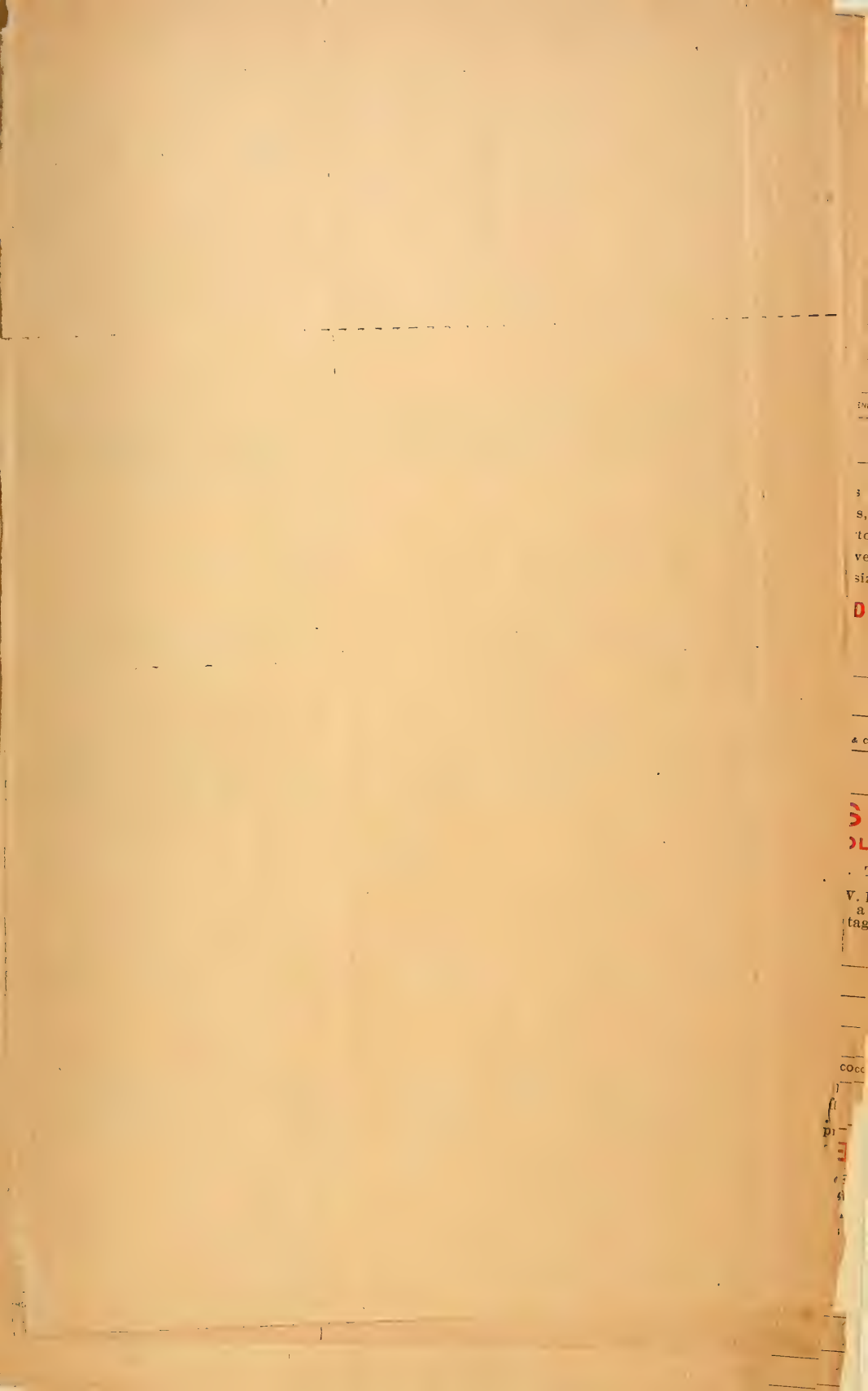


Fig. 8747. TRUAX, GREENE & CO'S RECTAL SET,

Consisting of 1 rectal speculum, medium size; 1 hypodermic syringe, with Truax, Greene & Co's rectal needle; 1 cocaine canula of soft silver to fit above hypodermic; 1 sharp steel tenaculum; 1 blunt hook; 1 blunt hook with double barbs; 1 Rorick's knife with concave edge; 1 Rorick's fistulatome; 1 rectal probe; 1 soft slender probe for fistulas; 1 curette; 1 ligature carrier; one 3-oz. hard rubber syringe with bent pipe; 1 slender oiling syringe; 1 No. 2 hard rubber suppositor; 1 card braided silk; 3 bottles with glass stoppers. All in velvet-lined, leather-covered case with handle for carrying
Same case with three sizes Ives' patent rectal speculum



ALE AND BEEF.

Tear out this coupon and mail it to the ALE & BEEF Co., 267 West 17th Street, New York, and you will receive, on payment of express charges, two full sized bottles of ALE AND BEEF, as described on page 128. Be sure and sign your

Name, _____ M. D.

Post Office, _____

Nearest Exp. Office, _____

State, _____

TAKEN FROM THE PRICE LIST OF CHAS. TRUAX, GREENE & CO., CHICAGO.

TRI-FERMENT COMP.

Tear out this coupon and send it to THAYER & Co., Cambridgeport, Mass., and receive by mail, free of charge, one ounce of TRI-FERMENT COMP. POWDER, as on page 134. Be sure and sign your

Name, _____

Post Office, _____

Nearest Exp. Office, _____

State, _____

TAKEN FROM THE PRICE LIST OF CHAS. TRUAX, GREENE & CO.

CACTINA PILLETS.

Any physician who may still be unacquainted with CACTINA PILLETS, as described on page 148, may obtain a full sized bottle, prepaid by mail, by filling out this coupon and mailing same to SULTAN DRUG Co., St. Louis, Mo. Be sure and sign your

Name, _____ M. D.

Post Office, _____

Nearest Exp. Office, _____

State, _____

TAKEN FROM THE PRICE LIST OF CHAS. TRUAX, GREENE & CO., CHICAGO.

ANTIKAMNIA.

We call the attention of our readers attractive and distinctive ANTIKAMNIA timent in this catalogue. (See page 13 firm gladly sends samples free to physici will furnish their address. ANTIKAMNIA C Co., St. Louis, Mo., U. S. A.

Name, _____

Post Office, _____

Nearest Exp. Office, _____

State, _____

TAKEN FROM THE PRICE LIST OF CHAS. TRUAX, GREENE & CO., CHICAGO.

CELERINA.

Tear out this coupon and mail it to RIO CHEMICAL Co., 401 N. Main Street, St. Louis, Mo., and you will receive, on paying express charges, a sample of any or all of our preparations, viz.: Celerina, Aletris Cordial and Pinus Canadensis (white and dark). Erase any preparations not desired. Be sure and sign your

Name, _____ M. D.

Post Office, _____

Nearest Exp. Office, _____

State, _____

TAKEN FROM THE PRICE LIST OF CHAS. TRUAX, GREENE & CO., CHICAGO.

MAGNESIO CALCIUM SALTS

Tear out this coupon and mail it to the CAL Co., Bellefontaine, O, and receive, sample of Williams Magnesio Calcium (described on page 212), or enclose 50 stamps and receive a full sized two-ounce postage paid. Be sure and sign your

Name, _____

Post Office, _____

Nearest Exp. Office, _____

State, _____

TAKEN FROM THE PRICE LIST OF CHAS. TRUAX, GREENE & CO., CHICAGO.

TERRALINE.

Tear out this coupon and mail to THE TERRALINE Co., 1316 L Street, N.W., Washington, D. C., and they will send you (express prepaid) a dollar bottle of TERRALINE, for trial, as described on page 230. Be sure and sign your

Name, _____ M. D.

Post Office, _____

Nearest Exp. Office, _____

State, _____

TAKEN FROM THE PRICE LIST OF CHAS. TRUAX, GREENE & CO., CHICAGO.

SYR. ACID HYDRIODIC.

Tear out this coupon and send it to R. W. NER, 158 William Street New York, and receive (express paid), three 1/4-lb. samples, Syr Hydriodic, Syr. Sodæ Hypophos C. P., Syr. Hypophos. C. P. and literature. Be sure and sign your

Name, _____

Post Office, _____

Nearest Exp. Office, _____

State, _____

TAKEN FROM THE PRICE LIST OF CHAS. TRUAX, GREENE & CO., CHICAGO.

HORSFORD'S ACID PHOSPHATE.

Tear out this coupon and mail it to the RUMFORD CHEMICAL WORKS, Providence, R. I., and you will receive, postage paid, a "trial size" bottle of **HORSFORD'S ACID PHOSPHATE**, as described on page 152. Be sure and sign your

Name, _____ M. D.

Post Office, _____

Nearest Exp. Office, _____

State, _____

TAKEN FROM THE PRICE LIST OF CHAS. TRUAX, GREENE & CO., CHICAGO.

HORLICK'S MALTED MILK.

Mail this, with your address on, to HORLICK'S FOOD CO., Racine, Wis., if you wish a full size package of this excellent food, prepaid, for trial in your practice. Its many advantages for Infants and Invalids described on page 30. Be sure and sign your

Name, _____ M. D.

Post Office, _____

Nearest Exp. Office, _____

State, _____

TAKEN FROM THE PRICE LIST OF CHAS. TRUAX, GREENE & CO., CHICAGO.

PEACOCK'S BROMIDES.

Tear out this coupon and send it to PEACOCK CHEMICAL Co., St Louis, Mo., and you will receive, on payment of express charges, one full size one-half pound bottle of **PEACOCK'S BROMIDES**, free. See ad., page 162. Be sure and sign your

Name, _____ M. D.

Post Office, _____

Nearest Exp. Office, _____

State, _____

TAKEN FROM THE PRICE LIST OF CHAS. TRUAX, GREENE & CO., CHICAGO.

BELLE OF BOURBON WHISKY

Tear out this coupon, enclose one dollar and mail it to CHAS. TRUAX, GREENE & Co., C and you will receive, on paying express charges, a large bottle (30 oz.) of **BELLE OF BOURBON WHISKY** (guaranteed eight years old). See 246. Be sure and sign your

Name, _____

Post Office, _____

Nearest Exp. Office, _____

State, _____

TAKEN FROM THE PRICE LIST OF CHAS. TRUAX, GREENE & CO., CHICAGO.

MORRHUOL.

Tear out this coupon and send it to E. FOUGERA & Co., 30 North William Street, New York, and you will receive, postage paid, samples of **Morrhual**, **Morrhual Creosote**, **Apioline** or **Santal-Midy**, as described on page 18. Be sure and sign your

Name, _____ M. D.

Post Office, _____

Nearest Exp. Office, _____

State, _____

TAKEN FROM THE PRICE LIST OF CHAS. TRUAX, GREENE & CO., CHICAGO.

LACTOPEPTIN

Tear out this coupon and send it to the YORK PHARMACAL ASSOCIATION, Yonkers, and you will receive, prepaid, a sample of **LACTOPEPTIN**, as described on page 190. Be sure and sign your

Name, _____

Post Office, _____

Nearest Exp. Office, _____

State, _____

TAKEN FROM THE PRICE LIST OF CHAS. TRUAX, GREENE & CO., CHICAGO.

LAPACTIC PILLS.

1893.

MESSRS. SHARP & DOHME,

Baltimore, Md.

Please send me a sample of Lapactic Pills, (S. & D.) I desire to test them in my practice.

Name, _____ M. D.

Post Office, _____

Nearest Exp. Office, _____

State, _____

TAKEN FROM THE PRICE LIST OF CHAS. TRUAX, GREENE & CO., CHICAGO.

DIOVIBURNIA.

Tear out this coupon and send it to DIOS COMPANY, 914 Locust Street, St. Louis, Mo., and you will receive a bottle of **DioViburnia** and **Neu** as described on page 186, costing you express charges only. Be sure and sign your

Name, _____

Post Office, _____

Nearest Exp. Office, _____

State, _____

TAKEN FROM THE PRICE LIST OF CHAS. TRUAX, GREENE & CO., CHICAGO.

CAFBROMALID.

A Valuable Antipyretic and Analgesic.

Tear out this coupon and mail it to CHARLES TRUAX, GREENE & Co., Chicago, Ill., and you will receive, prepaid, samples of **CAFBROMALID** both in powder and tablet form, as described on page 138. Be sure and sign your

Name, _____ M. D.

Post Office, _____

Nearest Exp. Office, _____

State, _____

TAKEN FROM THE PRICE LIST OF CHAS. TRUAX, GREENE & CO., CHICAGO.

PEPTIC ESSENCE.

Tear out this coupon and send it to ARTHUR PETER & Co., Louisville, Ky., and you will receive on payment of express, large samples **Syr. Roborans** and Peter's **PEPTIC ESSENCE**, as described on page 228. Be sure and sign your

Name, _____ M. D.

Post Office, _____

Nearest Exp. Office, _____

State, _____

TAKEN FROM THE PRICE LIST OF CHAS. TRUAX, GREENE & CO., CHICAGO.

AROMATIC DIGESTIVE POWDER.

Tear out this coupon and mail it to CHARLES TRUAX, GREENE & Co., Chicago, and you will receive, charges prepaid, a full sized package of **AROMATIC DIGESTIVE POWDER**, as described on page 204. Be sure and sign your

Name, _____ M. D.

Post Office, _____

Nearest Exp. Office, _____

State, _____

TAKEN FROM THE PRICE LIST OF CHAS. TRUAX, GREENE & CO., CHICAGO.

GLUTEN SUPPOSITORIES.

(Cure for Constipation and Piles.)

Any physician or druggist mailing this coupon and his business card to HEALTH FOOD COMPANY, 61 Fifth Avenue, New York, N. Y., will receive, without cost, a physician's sample box of **GLUTEN SUPPOSITORIES**. State whether wanted for adults or infants, and be sure to sign your

Name, _____ M. D.

Post Office, _____

Nearest Exp. Office, _____

State, _____

TAKEN FROM THE PRICE LIST OF CHAS. TRUAX, GREENE & CO., CHICAGO.

MARSHMALLOW CREAM.

Tear out this coupon and mail it to THE DIAMOND LABORATORY Co., Naugatuck, Conn., and you will receive, charges prepaid, a full sized bottle of this valuable **EMULSION**, as described on page 182. Be sure and sign your

Name, _____ M. D.

Post Office, _____

Nearest Exp. Office, _____

State, _____

TAKEN FROM THE PRICE LIST OF CHAS. TRUAX, GREENE & CO., CHICAGO.

HAZELINE CREAM.

Send this coupon to BORROUGHS, WELLCOME & Co., 347 Fifth Avenue, New York, U. S. A., and you will receive a sample tube of **Hazeline Cream** gratis. It contains over 50 per cent **Hazeline** (best distilled Extract *Hamamelis Virginica*) also a sample bottle **Kepler Solution of Cod Liver Oil in Extract of Malt**, which is a most agreeable digestible form for the administration of **Cod Liver Oil**.

Name, _____ M. D.

Post Office, _____

Nearest Exp. Office, _____

State, _____

TAKEN FROM THE PRICE LIST OF CHAS. TRUAX, GREENE & CO., CHICAGO.

MILKMAID BRAND CONDENSED MILK.

Tear out this coupon and remit it to THE ANGLO SWISS CONDENSED MILK Co., 82 Hudson St. New York, and you will receive, postage paid, a full sized can (one pound) of their **MILKMAID BRAND CONDENSED MILK**, prepared at Dixon, Ill., by Anglo Swiss Condensed Milk Co., of Switzerland. Be sure and sign your

Name, _____ M. D.

Post Office, _____

Nearest Exp. Office, _____

State, _____

TAKEN FROM THE PRICE LIST OF CHAS. TRUAX, GREENE & CO., CHICAGO.

FEBRILINE

Or Tasteless Syrup of Amorphous Quinine. (Lyons.)

Tear out this coupon and mail it to the PARIS MEDICINE Co., 212 North Main Street, St. Louis, Mo., and you will receive, by mail, a two-ounce bottle free, or if you will pay express charges we will send an eight-ounce bottle, free, as described on page 160. Be sure and sign your

Name, _____ M. D.

Post Office, _____

Nearest Exp. Office, _____

State, _____

TAKEN FROM THE PRICE LIST OF CHAS. TRUAX, GREENE & CO., CHICAGO.

BEEF PEPTONOID

Tear out this coupon and send it to ARLINGTON CHEMICAL Co., Yonkers, N. Y., and you will receive, prepaid, samples of Beef Peptonoid Preparations and Phospho-Caffein Compound, as described on page 200. Be sure and sign your

Name, _____ M. D.

Post Office, _____

Nearest Exp. Office, _____

State, _____

TAKEN FROM THE PRICE LIST OF CHAS. TRUAX, GREENE & CO., CHICAGO.

CUDAHY'S PEPSIN PRODUCTS.

Tear out this coupon and mail it to the CUDAHY PACKING Co., South Omaha, Neb., and you will receive, by mail, samples, or by express (if you pay charges) large package of any three products described on page 196. Be sure and sign your

Name, _____ M. D.

Post Office, _____

Nearest Exp. Office, _____

State, _____

TAKEN FROM THE PRICE LIST OF CHAS. TRUAX, GREENE & CO., CHICAGO.

SYR. ACID HYDRIODIC.

HOSTELLEY'S.

By filling out this coupon and mailing it to W. H. HOSTELLEY & CO., 233 North Second Street, Philadelphia, Pa., you will be entitled to a half-pound bottle of Syrup of Hydriodic Acid. You to pay the expressage. Please sign your

Name, _____ M. D.

Post Office, _____

Nearest Exp. Office, _____

State, _____

TAKEN FROM THE PRICE LIST OF CHAS. TRUAX, GREENE & CO., CHICAGO.

METCALF'S COCA WINE.

Tear out this coupon and present it to your druggist. It is good for one bottle of METCALF'S COCA WINE. Be sure and sign your

Name, _____ M. D.

Post Office, _____

Nearest Exp. Office, _____

State, _____

TAKEN FROM THE PRICE LIST OF CHAS. TRUAX, GREENE & CO., CHICAGO.

Stafford Mineral Springs Water.

Send this coupon to THE STAFFORD MINERAL SPRINGS AND HOTEL Co., LTD., 36 Camp Street, New Orleans, La., or 80 Jackson Street, Chicago, and they will ship you a 1/2-gallon Bottle of Stafford Mineral Springs Water, costing you express charges only, as described on page 86.

Name, _____

Post Office, _____

Nearest Exp. Office, _____

State, _____

TAKEN FROM THE PRICE LIST OF CHAS. TRUAX, GREENE & CO., CHICAGO.

O. C. PEROXIDE OF HYDROGEN.

Tear out this coupon and mail it to the OAKLAND CHEMICAL COMPANY, 89 and 91 South Fifth Avenue, New York, and you will receive, on payment of express charges, a sample bottle of O. C. Peroxide of Hydrogen. See page 168. Be sure and sign your

Name, _____ M. D.

Post Office, _____

Nearest Exp. Office, _____

State, _____

TAKEN FROM THE PRICE LIST OF CHAS. TRUAX, GREENE & CO., CHICAGO.

BUDWELL'S EMULSION.

Tear out this coupon and mail, with 25 cents in postage stamps or money, to BUDWELL PHARMACAL Co., Roanoke, Va., and you will receive one 8-ounce bottle (half regular size) of Budwell's Emulsion, with the Iodides, as described on page 206. Be sure and sign your

Name, _____ M. D.

Post Office, _____

Nearest Exp. Office, _____

State, _____

TAKEN FROM THE PRICE LIST OF CHAS. TRUAX, GREENE & CO., CHICAGO.

BROMO-SELTZER.

Tear out this coupon and mail it to the EMERSON DRUG Co., Baltimore, Md., and they will send you one full size bottle of BROMO-SELTZER, as described on page 176. Be sure and sign your

Name, _____ M. D.

Post Office, _____

Nearest Exp. Office, _____

State, _____

TAKEN FROM THE PRICE LIST OF CHAS. TRUAX, GREENE & CO., CHICAGO.

KUMYSGEN.

Mail this coupon to REED & CARRICK, New York, with 75 cents in stamps, and you will receive, charges prepaid, a twenty-ounce (\$1.50) siphon bottle of KUMYSGEN. See page 170. Be sure and sign your

Name, _____ M. D.

Post Office, _____

Nearest Exp. Office, _____

State, _____

TAKEN FROM THE PRICE LIST OF CHAS. TRUAX, GREENE & CO., CHICAGO.

TONGALINE AND PONCA COI.

Tear out this coupon and mail it to the DRUG COMPANY, 2112 Locust Street, St. L. and you will receive, on payment of charges, three physicians' samples of TONGALINE and PONCA COMPOUND, as described on page 235. Be sure and sign your

Name, _____

Post Office, _____

Nearest Exp. Office, _____

State, _____

TAKEN FROM THE PRICE LIST OF CHAS. TRUAX, GREENE & CO.

CAMPHO-PHENIQUE.

Tear out this coupon and send it to the PHENIQUE CHEMICAL Co., St. Louis, Mo., and you will receive a sample bottle of Campho-Phenique, Chloro-Phenique and Saltonia, as described on page 142, costing you express charges only. Be sure and sign your

Name, _____ M. D.

Post Office, _____

Nearest Exp. Office, _____

State, _____

TAKEN FROM THE PRICE LIST OF CHAS. TRUAX, GREENE & CO., CHICAGO.



Tear out this coupon and mail it to WELLS, RICHES & Co., Burlington, Vt., and you will receive by mail, a regular sized package of

LACTATED FOOD.

as described on page 132.

Name, _____

Post Office, _____ State, _____

TAKEN FROM THE PRICE LIST OF CHAS. TRUAX, GREENE & CO., CHICAGO.

Marchand's Glycozone and Peroxide of Hydrogen (MEDICINAL).

Tear out this coupon and mail it to CHARLES MARCHAND, 28 Prince Street, New York, and you will receive, on payment of express charges, 1/4-lb. bottle of Marchand's Peroxide of Hydrogen (medicinal), and 1/4-lb. bottle of Glycozone, as described on page 6. Be sure to sign your

Name, _____ M. D.

Post Office, _____

Nearest Exp. Office, _____

State, _____

TAKEN FROM THE PRICE LIST OF CHAS. TRUAX, GREENE & CO., CHICAGO.

EMULSIONS

COD LIVER OIL AND PETROLEUM

Each emulsified with Sterilized Cream. These Emulsions absolutely palatable.

Tear out this coupon and remit it to W. B. & Co., Dixon, Ill., and you will receive a bottle of each Emulsion, by mail, postage paid. Be sure and sign your

Name, _____

Post Office, _____

Nearest Exp. Office, _____

State, _____

TAKEN FROM THE PRICE LIST OF CHAS. TRUAX, GREENE & CO., CHICAGO.

WINE OF COCA.

Tear out this coupon and send it to the COLUMBIA CHEMICAL Co. (successors to H. R. Co.), 90 South Fifth Avenue, New York, and you will receive, postage paid, four ounce sample Wine of Coca, box of Febrioid Pills and sample Natrolithic Salt, as described on page 14 of this list. Be sure and sign your

Name, _____ M. D.

Post Office, _____

Nearest Exp. Office, _____

State, _____

TAKEN FROM THE PRICE LIST OF CHAS. TRUAX, GREENE & CO., CHICAGO.

FORD'S DIGESTIVE TABLETS

Nos. I. II. III. IV. V. VI. VII.

Send this coupon to NEW YORK AND CHEMICAL Co., 96 and 98 Maiden Lane, New York, and receive 100 Ford's Digestive Tablets (of various varieties, enclosing 25 cents for each kind except No. VII. of which only 16 will be sent ad. page 198.) Indicate order by marking number.

Name, _____

Post Office, _____

Nearest Exp. Office, _____

State, _____

TAKEN FROM THE PRICE LIST OF CHAS. TRUAX, GREENE & CO., CHICAGO.

WINE OF COCA.

Tear out this coupon and send it to CHAS. TRUAX, GREENE & Co., Chicago, Ill., and you will receive, on paying express charges, samples of Assayed and Standardized Wine Coca, Wine Coca, Beef and Iron, and other standardized preparations of GILPIN, LANGDON & Co., Baltimore, Md. Be sure and sign your

Name, _____ M. D.

Post Office, _____

Nearest Exp. Office, _____

State, _____

TAKEN FROM THE PRICE LIST OF CHAS. TRUAX, GREENE & CO., CHICAGO.

BOVININE.

Tear out this coupon and mail it to Co., 65 South Fifth Avenue, New York will send you (express prepaid) a 1 dollar) bottle of Fluid Food **BOVININE**, as on page 136. Be sure and sign your

Name, _____

Post Office, _____

Nearest Exp. Office, _____

State, _____

TAKEN FROM THE PRICE LIST OF CHAS. TRUAX, GREENE & CO

PAPOID TABLETS.

Tear out this coupon and mail it to the PAPOID Co., 92 William Street, New York, and you will receive, postage paid, sample of **PAPOID TABLETS**, as described on page 46. Be sure and sign your

Name, _____ M. D.

Post Office, _____

Nearest Exp. Office, _____

State, _____

TAKEN FROM THE PRICE LIST OF CHAS. TRUAX, GREENE & CO., CHICAGO.

SCHUMACHER'S INFANT FOOD

Tear out this coupon and mail to THE A CEREAL Co., Akron, Ohio, and you w. postage paid, a sample package of **SCHUM. INFANT FOOD**, as described on page 156. and sign your

Name, _____

Post Office, _____

Nearest Exp. Office, _____

State, _____

TAKEN FROM THE PRICE LIST OF CHAS. TRUAX, GREENE & CO

CAFFACEMON.

Tear out this coupon and mail it to the S. B. MEDICINE Co., South Bend, Ind., and they will send you, free, samples of **CAFFACEMON** and **COCAINE COMPOUND**, as described on page 202. Be sure and sign your

Name, _____ M. D.

Post Office, _____

Nearest Exp. Office, _____

State, _____

TAKEN FROM THE PRICE LIST OF CHAS. TRUAX, GREENE & CO., CHICAGO.

PAPINE.

If you have never used in your practice send this coupon to BATTLE & Co., 201 Street, St. Louis, Mo., and you will receive size bottle as a sample, free, express prepaid advertisement on page 194. Be sure and

Name, _____

Post Office, _____

Nearest Exp. Office, _____

State, _____

TAKEN FROM THE PRICE LIST OF CHAS. TRUAX, GREENE & CO

PLATT'S CHLORIDES.

Tear out this coupon and mail it to H. B. PLATT, 36 Platt Street, New York, and he will send you, express prepaid, a large bottle of **PLATT'S CHLORIDES**, as described on page 144. Be sure and sign your

Name, _____ M. D.

Post Office, _____

Nearest Exp. Office, _____

State, _____

TAKEN FROM THE PRICE LIST OF CHAS. TRUAX, GREENE & CO., CHICAGO.

Peuchot's Peroxide of Hydrogen

Tear out this coupon and mail it to F & Co., 26, 28 and 30 North William St. York, and you will receive, postage prepaid, of **Peuchot's Peroxide of Hydrogen**, as on page 174. Be sure and sign your

Name, _____

Post Office, _____

Nearest Exp. Office, _____

State, _____

TAKEN FROM THE PRICE LIST OF CHAS. TRUAX, GREENE & CO







